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Technology Made Simple for the Technical Recruiter, Second Edition

Software Architecture in Practice Oct 21 2019 This is the eagerly-anticipated revision to one of the seminal books in the field of software architecture which clearly defines and explains the topic. *How to Become an It Architect* Jun 28 2020 Defining the various types of IT architecture in the industry, this one-of-a-kind resource highlights the rewards of becoming an architect and explores the details of the deliverables, project structure, and how to approach their creation. --

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The Enterprise Cloud Apr 26 2020 Despite the buzz surrounding the cloud computing, only a small percentage of organizations have actually deployed this new style of IT—so far. If you're planning your long-term cloud strategy, this practical book provides insider knowledge and actionable real-world lessons regarding planning, design, operations, security, and application transformation. This book teaches business and technology managers how to transition their organization's

traditional IT to cloud computing. Rather than yet another book trying to sell or convince readers on the benefits of clouds, this book provides guidance, lessons learned, and best practices on how to design, deploy, operate, and secure an enterprise cloud based on real-world experience. Author James Bond provides useful guidance and best-practice checklists based on his field experience with real customers and cloud providers. You'll view cloud services from the perspective of a consumer and as an owner/operator of an enterprise.

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private or hybrid cloud, and learn valuable lessons from successful and less-than-successful organization use-case scenarios. This is the information every CIO needs in order to make the business and technical decisions to finally execute on their journey to cloud computing. Get updated trends and definitions in cloud computing, deployment models, and for building or buying cloud services Discover challenges in cloud operations and management not foreseen by early adopters Use real-world lessons to plan and build an enterprise private or hybrid cloud Learn how to assess, port, and migrate legacy

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applications to the cloud Identify security threats and vulnerabilities unique to the cloud Employ a cloud management system for your enterprise (private or multi-provider hybrid) cloud ecosystem Understand the challenges for becoming an IT service broker leveraging the power of the cloud Fundamentals of Software Architecture Dec 03 2020 Salary surveys worldwide regularly place software architect in the top 10 best jobs, yet no real guide exists to help developers become architects. Until now. This book provides the first comprehensive overview of software

architecture's many aspects. Aspiring and existing architects alike will examine architectural characteristics, architectural patterns, component determination, diagramming and presenting architecture, evolutionary architecture, and many other topics. Mark Richards and Neal Ford—hands-on practitioners who have taught software architecture classes professionally for years—focus on architecture principles that apply across all technology stacks. You'll explore software architecture in a modern light, taking

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all the innovations of the past decade. This book examines: Architecture patterns: The technical basis for many architectural decisions Components: Identification, coupling, cohesion, partitioning, and granularity Soft skills: Effective team management, meetings, negotiation, presentations, and more Modernity: Engineering practices and operational approaches that have changed radically in the past few years Architecture as an engineering discipline: Repeatable results, metrics, and concrete valuations that add rigor to

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software architecture *Enterprise Application Architecture with .NET Core* Jan 16 2022 Architect and design highly scalable, robust, clean and highly performant applications in .NET Core About This Book Incorporate architectural soft-skills such as DevOps and Agile methodologies to enhance program-level objectives Gain knowledge of architectural approaches on the likes of SOA architecture and microservices to provide traceability and rationale for architectural decisions Explore a variety of practical use cases and code examples to

implement the tools and techniques described in the book Who This Book Is For This book is for experienced .NET developers who are aspiring to become architects of enterprise-grade applications, as well as software architects who would like to leverage .NET to create effective blueprints of applications. What You Will Learn Grasp the important aspects and best practices of application lifecycle management Leverage the popular ALM tools, application insights, and their usage to monitor performance, testability, and optimization

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in an enterprise
Explore various authentication models such as social media-based authentication, 2FA and OpenID Connect, learn authorization techniques Explore Azure with various solution approaches for Microservices and Serverless architecture along with Docker containers Gain knowledge about the recent market trends and practices and how they can be achieved with .NET Core and Microsoft tools and technologies In Detail If you want to design and develop enterprise applications using .NET Core as the development framework and learn about

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industry-wide best practices and guidelines, then this book is for you. The book starts with a brief introduction to enterprise architecture, which will help you to understand what enterprise architecture is and what the key components are. It will then teach you about the types of patterns and the principles of software development, and explain the various aspects of distributed computing to keep your applications effective and scalable. These chapters act as a catalyst to start the practical implementation, and design and develop

applications using different architectural approaches, such as layered architecture, service oriented architecture, microservices and cloud-specific solutions. Gradually, you will learn about the different approaches and models of the Security framework and explore various authentication models and authorization techniques, such as social media-based authentication and safe storage using app secrets. By the end of the book, you will get to know the concepts and usage of the emerging fields, such as DevOps, BigData, arch

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practices, and Artificial Intelligence. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to show you the best tools and techniques required to become a successful software architect.

Becoming an Agile Software Architect Sep 19

2019 A guide to successfully operating in a lean-agile organization for solutions architects and enterprise architects Key Features Develop the right combination of processes and technical excellence to address architectural challenges Explore a range of

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architectural techniques to modernize legacy systems Discover how to design and continuously improve well-architected sustainable software Book Description Many organizations have embraced Agile methodologies to transform their ability to rapidly respond to constantly changing customer demands. However, in this melee, many enterprises often neglect to invest in architects by presuming architecture is not an intrinsic element of Agile software development. Since the role of an architect is not pre-defined in Agile, many organizations struggle to position

architects, often resulting in friction with other roles or a failure to provide a clear learning path for architects to be productive. This book guides architects and organizations through new Agile ways of incrementally developing the architecture for delivering an uninterrupted, continuous flow of values that meets customer needs. You'll explore various aspects of Agile architecture and how it differs from traditional architecture. The book later covers Agile architects' responsibilities and how architects can add significant value by positioning themselves

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Agile flow of work. Through examples, you'll also learn concepts such as architectural decision backlog, the last responsible moment, value delivery, architecting for change, DevOps, and evolutionary collaboration. By the end of this Agile book, you'll be able to operate as an architect in Agile development initiatives and successfully architect reliable software systems. What you will learn Acquire clarity on the duties of architects in Agile development Understand architectural styles such as domain-driven design and microservices Identify the pitfalls

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of traditional architecture and learn how to develop solutions Understand the principles of value and data-driven architecture Discover DevOps and continuous delivery from an architect's perspective Adopt Lean-Agile documentation and governance Develop a set of personal and interpersonal qualities Find out how to lead the transformation to achieve organization-wide agility Who this book is for This agile study guide is for architects currently working on agile development projects or aspiring to work on agile software delivery,

irrespective of the methodology they are using. You will also find this book useful if you're a senior developer or a budding architect looking to understand an agile architect's role by embracing agile architecture strategies and a lean-agile mindset. To understand the concepts covered in this book easily, you need to have prior knowledge of basic agile development practices.

Architecting Cloud Computing Solutions Apr 07 2021 Accelerating Business and Mission Success with Cloud Computing. Key Features A step-by-step guide that will practically guide you **Where To Download tokensale.udap.io on November 26, 2022 Free Download Pdf**

implementing Cloud computing services effectively and efficiently. Learn to choose the most ideal Cloud service model, and adopt appropriate Cloud design considerations for your organization. Leverage Cloud computing methodologies to successfully develop a cost-effective Cloud environment successfully. Book Description Cloud adoption is a core component of digital transformation. Scaling the IT environment, making it resilient, and reducing costs are what organizations want. Architecting Cloud Computing Solutions presents and explains critical

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Cloud solution design considerations and technology decisions required to choose and deploy the right Cloud service and deployment models, based on your business and technology service requirements. This book starts with the fundamentals of cloud computing and its architectural concepts. It then walks you through Cloud service models (IaaS, PaaS, and SaaS), deployment models (public, private, community, and hybrid) and implementation options (Enterprise, MSP, and CSP) to explain and describe the key considerations and challenges

organizations face during cloud migration. Later, this book delves into how to leverage DevOps, Cloud-Native, and Serverless architectures in your Cloud environment and presents industry best practices for scaling your Cloud environment. Finally, this book addresses (in depth) managing essential cloud technology service components such as data storage, security controls, and disaster recovery. By the end of this book, you will have mastered all the design considerations and operational trades required to adopt Cloud services, no matter which cloud

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service provider you choose. What you will learn Manage changes in the digital transformation and cloud transition process Design and build architectures that support specific business cases Design, modify, and aggregate baseline cloud architectures Familiarize yourself with cloud application security and cloud computing security threats Design and architect small, medium, and large cloud computing solutions Who this book is for If you are an IT Administrator, Cloud Architect, or a Solution Architect keen to benefit from cloud adoption for your organization, then

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this book is for you. Small business owners, managers, or consultants will also find this book useful. No prior knowledge of Cloud computing is needed. *Salesforce B2C Solution Architect's Handbook* Dec 15 2021 The ultimate handbook for new and seasoned Salesforce B2C Solution Architects who want to design seamless B2C solutions across the Salesforce Customer 360 ecosystem - including B2C Commerce, Service Cloud, and Marketing Cloud Key FeaturesGive your customers a frictionless experience by creating a unified view of all their interactionsGet

your architectural design right the first time and avoid costly reworksPrepare for the B2C Solution Architect exam and Salesforce certification with practical scenarios following Salesforce best practicesBook Description There's a huge demand on the market for Salesforce professionals who can create a single view of the customer across the Salesforce Customer 360 platform and leverage data into actionable insights. With *Salesforce B2C Solution Architect's Handbook*, you'll gain a deeper understanding of the integration options and products that help

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you deliver value for organizations. While this book will help you prepare for the B2C Solution Architect exam, its true value lies in setting you up for success afterwards. The first few chapters will help you develop a solid understanding of the capabilities of each component in the Customer 360 ecosystem, their data models, and governance. As you progress, you'll explore the role of a B2C solution architect in planning critical requirements and implementation sequences to avoid costly reworks and unnecessary delays. You'll learn about the available options for integrating

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products with the Salesforce ecosystem and demonstrate best practices for data modeling across Salesforce products and beyond. Once you've mastered the core knowledge, you'll also learn about tools, techniques, and certification scenarios in preparation for the B2C Solution Architect exam. By the end of this book, you'll have the skills to design scalable, secure, and future-proof solutions supporting critical business demands. What you will learn Explore key Customer 360 products and their integration options Choose the optimum integration

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architecture to unify data and experiences Architect a single view of the customer to support service, marketing, and commerce Plan for critical requirements, design decisions, and implementation sequences to avoid sub-optimal solutions Integrate Customer 360 solutions into a single-source-of-truth solution such as a master data model Support business needs that require functionality from more than one component by orchestrating data and user flows Who this book is for This book is for professionals in high-level job roles that heavily rely on

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proficiency. It's primarily written for B2C commerce architects, application architects, integration architects, as well as system architects, enterprise architects, Salesforce architects, and CTO teams looking to benefit from a deeper understanding of this platform. Before you get started, you'll need a solid understanding of data integration, APIs, and connected systems, along with knowledge of the fundamentals of business-to-consumer (B2C) customer experiences.

Solutions
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Architect's Handbook Sep 24 2022 This book will show you how to create robust, scalable, highly available and fault-tolerant solutions by learning different aspects of Solution architecture and next-generation architecture design in the Cloud environment.

Team Topologies Sep 12 2021 In Team Topologies DevOps consultants Matthew Skelton and Manuel Pais share secrets of successful team patterns and interactions to help readers choose and evolve the right team patterns for their organization, making sure to keep the software healthy and optimize value

streams. Team Topologies will help readers discover: • Team patterns used by successful organizations. • Common team patterns to avoid with modern software systems. • When and why to use different team patterns • How to evolve teams effectively. • How to split software and align to teams.

The Software Architect Elevator Jul 22 2022 As the digital economy changes the rules of the game for enterprises, the role of software and IT architects is also transforming. Rather than focus on technical decisions alone, architects and senior technologists need to combine org
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technical knowledge to effect change in their company's structure and processes. To accomplish that, they need to connect the IT engine room to the penthouse, where the business strategy is defined. In this guide, author Gregor Hohpe shares real-world advice and hard-learned lessons from actual IT transformations. His anecdotes help architects, senior developers, and other IT professionals prepare for a more complex but rewarding role in the enterprise. This book is ideal for: Software architects and senior developers looking to shape the

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company's technology direction or assist in an organizational transformation Enterprise architects and senior technologists searching for practical advice on how to navigate technical and organizational topics CTOs and senior technical architects who are devising an IT strategy that impacts the way the organization works IT managers who want to learn what's worked and what hasn't in large-scale transformation The Process of Software Architecting May 28 2020 A Comprehensive Process for Defining Software Architectures That

Work A good software architecture is the foundation of any successful software system. Effective architecting requires a clear understanding of organizational roles, artifacts, activities performed, and the optimal sequence for performing those activities. With The Process of Software Architecting , Peter Eeles and Peter Cripps provide guidance on these challenges by covering all aspects of architecting a software system, introducing best-practice techniques that apply in every environment, whether based on Java EE, Microsoft .NET, or other

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and Cripps first illuminate concepts related to software architecture, including architecture documentation and reusable assets. Next, they present an accessible, task-focused guided tour through a typical project, focusing on the architect's role, with common issues illuminated and addressed throughout. Finally, they conclude with a set of best practices that can be applied to today's most complex systems. You will come away from this book understanding the role of the architect in a typical software development project. How to document a software

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architecture to satisfy the needs of different stakeholders. The applicability of reusable assets in the process of architecting. The role of the architect with respect to requirements definition. The derivation of an architecture based on a set of requirements. The relevance of architecting in creating complex systems. The Process of Software Architecting will be an indispensable resource for every working and aspiring software architect—and for every project manager and other software professional who needs to understand how architecture

influences their work. [SOA Patterns with BizTalk Server](#) 2009 Aug 19 2019 This book takes a hands-on approach to explain and present ways to use BizTalk Server 2009 in a service-oriented fashion. Written much like the author's blog, this book does not direct your every mouse click and keyboard stroke, but rather identifies the problem being solved, and includes the code snippets and screenshots necessary to recreate these solutions yourself. Targeted at individuals already familiar with BizTalk Server and not those expecting a full tutorial on every aspect of the product, this book

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is ideal for architects and developers who want to develop the most maintainable BizTalk Server solutions possible. This is the first book available on BizTalk Server 2009 and covers all relevant features for those of you designing a BizTalk business solution.

Mobilize Yourself!

May 08 2021 Be everywhere-and take your office with you-with the help of MOBILIZE YOURSELF! THE MICROSOFT GUIDE TO MOBILE TECHNOLOGY.

Discover how to choose the right products and services-such as the Pocket PC, the Microsoft Outlook messaging and collaboration client, Microsoft Mobile

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Information Server, the MSNnetwork of Internet services, and more-to stay as productive on the road as you'd be at your desk. The book focuses on the key activities of mobile and remote workers-including using e-mail, accessing corporate information, reporting data from the field, and collaborating with colleagues-and describes options for hardware, software, connectivity, and security.

Throughout, the author emphasizes creating business solutions-rather than explaining the arcane technical how-tos. With MOBILIZE YOURSELF!, readers find the answers they need

to get down to business-no matter where their work takes them!

Microsoft Dynamics Ax Implementation Guide Feb 23 2020

Your all-in-one guide to exploring and implementing Microsoft Dynamics AX>About This Book• From project kick-off to go live and upgrade, learn what to expect in each phase of the project• This book guides you through the entire journey of a Dynamics AX implementation project, helping you to avoid the common pitfalls and adapt industry knowledge and best practices for your own project• This one-stop guide is packed with key tools and

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your Dynamics AX implementation Who This Book Is For This book is for IT project managers, solution architects, and consultants who are planning to implement or are in the process of implementing or upgrading Dynamics AX. To use this book, you must have a working Dynamics AX system in place and must be familiar with the basics of Dynamics AX. What You Will Learn • Prepare for a great start with effective project management and planning from the beginning • Gather details early using effective requirement-gathering tools and techniques • Gain tools and

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techniques for effective infrastructure planning and hardware sizing • Get to grips with integration and data migration through planning and strategy • Familiarize yourself with the reporting and BI tools • Master functional and technical design to customize existing features and designs in your own projects • Manage your configuration and you're your configuration from one environment to another • Learn industry's best practices and recommendations on customization development and performance tuning In Detail Microsoft Dynamics AX is

Enterprise Resource Planning (ERP) software that supports multi-site operations across various countries, providing international processing within the company. It is an ERP solution with a lot of features and functionality, and it provides support across the fields of financial, distribution, supply chain, project, customer relationship, HR, and field service management. This book is all about simplifying the overall implementation process of Dynamics AX. The purpose of this book is to help IT managers and solution architects im

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Dynamics AX to increase the success rate of Dynamics AX projects. This all-in-one guide will take you through an entire journey of a Dynamics AX implementation, ensuring you avoid commonly-made mistakes during implementation. You'll begin with the installation of Dynamics AX and the basic requirements. Then, you'll move onto data migration, reporting, functional and technical design, configuration, and performance tuning. By the end of the book, you will know how to plan and execute Dynamics AX right, on your first attempt, using

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insider industry knowledge and best practices. Style and approach This is a progressive, easy-to-follow book that summarizes numerous aspects you need to know to make your Dynamics AX implementations successful using code examples to get you hands-on. **Technology Made Simple for the Technical Recruiter, Second Edition** Jun 16 2019 If you're a technical recruiter who wants to keep your skills up to date in the competitive field of technical resource placement, you need a detailed guidebook to outpace competitors. This technical skills primer focuses on

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technology fundamentals—from basic programming terms to big data vocabulary, network lingo, operating system jargon, and other crucial skill sets. Topics covered include · sample questions to ask candidates, · types of networks and operating systems, · software development strategies, · cloud systems administration and DevOps, · data science and database job roles, and · information security job roles. Armed with indispensable information, the alphabet soup of technology acronyms will no longer be intimidating, and you

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analyze client and candidate requirements with confidence. Written in clear and concise prose, Technology Made Simple for the Technical Recruiter is an invaluable resource for any technical recruiter.

AWS Solutions Architect Exam Practice Questions and dumps with explanations

Exam SAA-C01
Apr 19 2022 The AWS Certified Solutions Architect - Associate examination is intended for individuals who perform a solutions architect role and have one or more years of hands-on experience designing available, cost-efficient, fault-tolerant, and

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scalable distributed systems on AWS. Preparing for the AWS Certified Solutions Architect Associate Exam (AWS CSAA) to become an AWS Certified Solutions Architect? Here we've brought 500+ AWS Solutions Architect Associate Exam Questions for you so that you can prepare well for the AWS Solution Architect Associate exam. This AWS Certified Solutions Architect - Associate exam practice test of AWS Web Services has been advanced to test your knowledge before taking the official exam. Unlike other online simulation practice tests, you get an eBook version easy to read

& remember these questions. You can simply rely on these 500+ questions for successfully certifying this exam.

[Solution Architecture with .NET](#) Aug 23 2022 Learn about the responsibilities of a .NET solution architect and explore solution architecture principles, DevOps solutions, and design techniques and standards with hands-on examples of design patterns Key Features Find out what are the essential personality traits and responsibilities of a solution architect Become well-versed with architecture principles and modern design patterns

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hands-on examples Design modern web solutions and make the most of Azure DevOps to automate your development life cycle Book Description Understanding solution architecture is a must to build and integrate robust systems to meet your client's needs. This makes it crucial for a professional .NET software engineer to learn the key skills of a .NET solution architect to create a unique digital journey and build solutions for a wide range of industries, from strategy and design to implementation. With this handbook, developers working with the .NET

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technology will be able to put their knowledge to work. The book takes a hands-on approach to help you become an effective solution architect. You'll start by learning the principles of the software development life cycle (SDLC), the roles and responsibilities of a .NET solution architect, and what makes a great .NET solution architect. As you make progress through the chapters, you'll understand the principles of solution architecture and how to design a solution, and explore designing layers and microservices. You'll complete your learning journey by

uncovering modern design patterns and techniques for designing and building digital solutions. By the end of this book, you'll have learned how to architect your modern web solutions with ASP.NET Core and Microsoft Azure and be ready to automate your development life cycle with Azure DevOps. What you will learn Understand the role and core responsibilities of a .NET solution architect Study popular UML (Unified Modeling Language) diagrams for solution architecture Work with modern design patterns with the help of hands-on examples

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familiar with microservices and designing layersDiscover how to design modern web solutionsAutomate your development life cycle with Azure DevOpsWho this book is for This book is for intermediate and advanced .NET developers and software engineers who want to advance their careers and expand their knowledge of solution architecture and design principles. Beginner or intermediate-level solution architects looking for tips and tricks to build large-scale .NET solutions will find this book useful.

Enterprise Architecture

Function Jan 24

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2020 This book provides a method to plan, develop, validate, or evolve the design of an enterprise architecture function so that it fully meets the organization's needs. The reader will benefit from this book in two ways. First, it provides a structured overview and orientation to the subject of architecture from an architecture function perspective. Second, it guides through the process of planning, building, and operating your own architecture organization based on a generic architecture function blueprint presented in the form of a pattern

language offering a structured means for navigating, contextualizing, combining, and composing the architecture function patterns. The book is structured in six chapters. Chapter 1 "Introduction" explains the starting position and objectives of the book and introduces key concepts that will be explained further in subsequent chapters. Chapter 2 "Architecture Function Pattern Language" introduces the concepts of pattern, pattern catalogue, pattern topology, and ontology and explains how these concepts are combined to form a pattern language

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for planning, designing, and operating an architecture function. Next, Chapter 3 “Architecture Function - Context” introduces concepts that are crucial for understanding the challenges that an architecture function faces and presents a generic schema for the business organizations and value chain.

Chapter 4 “Architecture Function - Challenge” looks at an architecture function from a black box perspective and outlines the expectations and requirements that companies place on architecture organizations. It discusses the

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building blocks of an architecture function, the services it provides along the enterprise value chain, and the quality attributes that enterprises expect from their functions. Chapter 5 “Architecture Function - Constitution” then shifts from a black-box perspective to a white-box perspective and outlines the generic design of an architecture function in order to realize functional and quality-related requirements. Chapter 6 “Pattern Catalogue” eventually introduces the pattern catalogue with a total of 48 architecture function patterns. These patterns

suggest designs for collaboration between the architecture function and enterprise organizations, for the elaboration and development of enterprise services along the enterprise value chain, or for aligning architecture governance with enterprise governance. The book is intended for a broad readership, including enterprise, domain, and solution architects, lecturers and students, and anyone else interested in understanding the value proposition, responsibilities, outcomes, methods, and practices of architecture

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introduces the basic concepts and theories needed to understand the pattern language presented and the patterns it summarizes.

Technology Strategy Patterns

Jul 10 2021

Technologists who want their ideas heard, understood, and funded are often told to speak the language of business—without really knowing what that is. This book’s toolkit provides architects, product managers, technology managers, and executives with a shared language—in the form of repeatable, practical patterns and templates—to produce great technology strategies. Author

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Eben Hewitt developed 39 patterns over the course of a decade in his work as CTO, CIO, and chief architect for several global tech companies. With these proven tools, you can define, create, elaborate, refine, and communicate your architecture goals, plans, and approach in a way that executives can readily understand, approve, and execute. This book covers: Architecture and strategy: Adopt a strategic architectural mindset to make a meaningful material impact Creating your strategy: Define the components of your technology strategy using proven

patterns Communicating the strategy: Convey your technology strategy in a compelling way to a variety of audiences Bringing it all together: Employ patterns individually or in clusters for specific problems; use the complete framework for a comprehensive strategy Software Architect’s Handbook Feb 05 2021 A comprehensive guide to exploring software architecture concepts and implementing best practices Key Features Enhance your skills to grow your career as a software architect Design efficient soft

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architectures using patterns and best practices Learn how software architecture relates to an organization as well as software development methodology Book Description The Software Architect's Handbook is a comprehensive guide to help developers, architects, and senior programmers advance their career in the software architecture domain. This book takes you through all the important concepts, right from design principles to different considerations at various stages of your career in software

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architecture. The book begins by covering the fundamentals, benefits, and purpose of software architecture. You will discover how software architecture relates to an organization, followed by identifying its significant quality attributes. Once you have covered the basics, you will explore design patterns, best practices, and paradigms for efficient software development. The book discusses which factors you need to consider for performance and security enhancements. You will learn to write documentation for your architectures and make appropriate

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decisions when considering DevOps. In addition to this, you will explore how to design legacy applications before understanding how to create software architectures that evolve as the market, business requirements, frameworks, tools, and best practices change over time. By the end of this book, you will not only have studied software architecture concepts but also built the soft skills necessary to grow in this field. What you will learn Design software architectures using patterns and best practices Explore the different considerations for designing software arch

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Discover what it takes to continuously improve as a software architect. Create loosely coupled systems that can support change. Understand DevOps and how it affects software architecture. Integrate, refactor, and re-architect legacy applications. Who this book is for: The Software Architect's Handbook is for you if you are a software architect, chief technical officer (CTO), or senior developer looking to gain a firm grasp of software architecture.

AWS Solutions Architect Associates SAA-C03 Certification Practice Tests and Quizzes

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illustrated Oct 13 2021 There are 3 reasons to strengthen your cloud skills: 1- Cloud roles pay well. The average base salary for a Solutions Architect in the U.S. is \$140,000. 2- Cloud skills are in demand. Cloud computing has been one of the most in-demand hard skills for 7 years running. 3- Learning cloud can get you a raise. The average raise received by IT pros who gained new skills and/or certifications is \$15 - 30K. AWS certification is globally recognized as the premier way to demonstrate your AWS cloud skills. The AWS Certified Solutions Architect - Associate Level

(SAA-C03) exam validates your ability to effectively demonstrate knowledge of how to architect and deploy secure and robust applications on AWS technologies. It is a required exam for the AWS Certified Solutions Architect - Professional Level certification. In order to prepare for this exam, We suggest purchasing our AWS Certified Solutions Architect - Associate Level Exam Preparation eBook. This AWS Cloud Solutions Architect Associates Certification App covers all of the key concepts you need to know for the AWS Solutions Architect Associate Exam. Solution architect

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practice of defining and describing an architecture of a system delivered in context of a specific solution and as such it may encompass description of an entire system or only its specific parts. Definition of a solution architecture is typically led by a solution architect. The AWS Certified Solutions Architect - Associate (SAA, SAA-C03) exam is intended for individuals who perform in a solutions architect role. The exam validates a candidate's ability to use AWS technologies to design solutions based on the AWS Well-Architected Framework including: Design

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solutions that incorporate AWS services to meet current business requirements and future projected needs Design architectures that are secure, resilient, high-performing, and cost-optimized Review existing solutions and determine improvements Become stronger in your current role or prepare to step into a new one by continuing to build the cloud solutions architecture skills companies are begging for right now. Demand for cloud solutions architect proficiency is only set to increase, so you can expect to see enormous ROI on any cloud learning efforts you

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embark on. What will you learn in this book? Design Secure Architectures Design Resilient Architectures Design High-Performing Architectures Design Cost-Optimized Architectures What are the requirements or prerequisites for reading this book? The target candidate should have at least 1 year of hands-on experience designing cloud solutions that use AWS services Who is this book for? IT Professionals, Solutions Architect, Cloud enthusiasts, Computer Science and Engineering Students, AWS Cloud Developer,

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Manager and Executives, IT Project Managers
What is taught in this book? AWS Certification Preparation for Solutions Architecture - Associate Level Key tools, technologies, and concepts covered • Compute • Cost management • Database • Disaster recovery • High performance • Management and governance • Microservices and component decoupling • Migration and data transfer • Networking, connectivity, and content delivery • Resiliency • Security • Serverless and event-driven design principles • Storage
Some New AWS services covered:

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on architectural
considerations for
designing solutions
using SAP BTP to
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innovation

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challenges in
building process
and data
integration across
complex and hybrid
landscapes

Discover SAP BTP
services, including
visualizations,
practical business
scenarios, and more
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SAP BTP is the
foundation of SAP's
intelligent and
sustainable
enterprise vision for
its customers. It's
efficient, agile, and
an enabler of
innovation. It's
technically robust,
yet its superpower
is its business
centricity. If you're
involved in building
IT and business
strategies, it's
essential to
familiarize yourself
with SAP BTP to
see the big picture
for digitalization
with SAP solutions.
Similarly, if you
have design
responsibilities for
enterprise
solutions, learning
SAP BTP is crucial

to produce effective
and complete
architecture
designs. This book
teaches you about
SAP BTP in five
parts. First, you'll
see how SAP BTP is
positioned in the
intelligent
enterprise. In the
second part, you'll
learn the
foundational
elements of SAP
BTP and find out
how it operates.
The next part
covers integration
architecture
guidelines,
integration strategy
considerations, and
integration styles
with SAP's
integration
technologies. Later,
you'll learn how to
use application
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agility. This part also includes digital experience and process automation capabilities. The last part covers how SAP BTP can facilitate data-to-value use cases to produce actionable business insights. By the end of this SAP book, you'll be able to architect solutions using SAP BTP to deliver high business value. What you will learn Explore value propositions and business processes enabled by SAP's Intelligent and Sustainable Enterprise Understand SAP BTP's foundational elements, such as commercial and account models Discover services that can be part of solution designs to fulfill non-

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functional requirements Get to grips with integration and extensibility services for building robust solutions Understand what SAP BTP offers for digital experience and process automation Explore data-to-value services that can help manage data and build analytics use cases Who this book is for This SAP guide is for technical architects, solutions architects, and enterprise architects working with SAP solutions to drive digital transformation and innovation with SAP BTP. Some IT background and an understanding of basic cloud concepts is

assumed. Working knowledge of the SAP ecosystem will also be beneficial.

Building Evolutionary Architectures

Jan 04 2021 The software development ecosystem is constantly changing, providing a constant stream of new tools, frameworks, techniques, and paradigms. Over the past few years, incremental developments in core engineering practices for software development have created the foundations for rethinking how architecture changes over time, along with ways to protect important architectural characteristics. **Where To Download
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evolves. This practical guide ties those parts together with a new way to think about architecture and time.

Oracle API Management 12c Implementation

Aug 31 2020 Learn how to successfully implement API management using Oracle's API Management Solution 12c About This Book Explore the key concepts, goals, and objectives of API Management and learn how to implement it using the Oracle API Management Solution Understand the concepts and objectives of the Application Service Governance (ASG), along with the governance

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framework that encompasses people, processes, and technology Get to grips with API Management readiness assessments, gap analysis, digital reference architecture, and implementation roadmaps Who This Book Is For This book is for Enterprise Architects, Solution Architects, Technical Architects, and SOA and API consultants who want to successfully implement API Management using the Oracle API Management Solution products. What You Will Learn Understand how to manage a set of APIs Discover the differences and similarities between

API Management and SOA Governance, and where and how these two disciplines converge into Application Services Governance (ASG) Grasp information about ASG and how to define an ASG governance framework Understand the challenges for organizations looking to expose APIs to the external world. Identify common scenarios and how to solve them Define an Oracle API management deployment topology Install and configure Oracle API Catalog (OAC), Oracle API Manager (OAPIM), and Oracle API Gateway (OAG)

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Learn about API subscriptions and API community management with the OAPIM portal Implement Oracle API Manager (OAPIM) including creation, publishing, management and deprecation of APIs In Detail Oracle SOA Governance is a comprehensive, service-orientated governance solution that is designed to make the transition to SOA easier. API management is the discipline that governs the software development lifecycle of APIs. It defines the tools and processes needed to build, publish and operate APIs including the management of the community of developers around

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it. This book illustrates how to successfully implement API Management in your organization. To achieve this, the importance of defining an API management strategy and implementation roadmap so that capabilities are implemented in the right order and timeframes is described. It starts by describing all of the fundamental concepts around API Management and related disciplines such as SOA Governance and DevOps in order to dispel the confusion surrounding these topics. The book then takes you on the journey of implementing API Management, using

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a realistic case study of an organization that needs an API Management solution. You will start by identifying the key business drivers to implement APIs and then create an API Management strategy and a roadmap to realize this strategy. You'll then go through a number of use cases, each focused on addressing specific business requirements. These will help you understand each of the Oracle API Management products, how they fit into an overall architecture, and how to implement them. The book concludes by providing some tips and guidelines around

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deployment topology for the Oracle API Management products and the steps to install them. Style and approach This book is a comprehensive guide to successfully implementing a complete API Management solution from inception to implementation. The initial chapters introduce you to Oracle SOA Governance and API Management and from there, chapters are mainly hands-on and provide a full step-by-step walkthrough of how to implement the products of the Oracle API management solution to address realistic use cases.

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Security and Microservice Architecture on AWS Mar 26 2020 Security is usually an afterthought when organizations design microservices for cloud systems. Most companies today are exposed to potential security threats, but their responses are often more reactive than proactive. This leads to unnecessarily complicated systems that are hard to implement and even harder to manage and scale. Author Gaurav Raje shows you how to build highly secure systems on AWS without increasing overhead. Ideal for cloud solution architects and software developers with AWS

experience, this practical book starts with a high-level architecture and design discussion, then explains how to implement your solution in the cloud while ensuring that the development and operational experience isn't compromised. By leveraging the AWS Shared Responsibility Model, you'll be able to: Develop a modular architecture using microservices that aims to simplify compliance with various regulations in finance, medicine, and legal services Introduce various AWS-based security controls to help protect your microservices from

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Leverage the modularity of the architecture to independently scale security mechanisms on individual microservices. Improve the security posture without compromising the autonomy or efficiency of software development teams.

Solutions Architect's Handbook

Mar 18 2022

From fundamentals and design patterns to the different strategies for creating secure and reliable architectures in AWS cloud, learn everything you need to become a successful solutions architect. Purchase of the print or

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includes a free eBook in the PDF format. Endorsements "For new or existing solutions architects looking to keep their skills sharp in the cloud era, this book hits all the key areas." -Rajesh Sheth, GM, Messaging and Streaming, AWS "...the go-to guide for understanding various functions in the age of cloud computing." -Rohan Karmarkar, Director, Solutions Architecture, AWS "...you will find very important nuggets of knowledge that will help you be a successful solutions architect, and open up a new world of infinite possibilities!" - Kamal Arora, Senior Manager, Solutions

Architecture, AWS Book Description
Becoming a solutions architect requires a hands-on approach, and this edition of the Solutions Architect's Handbook brings exactly that. This handbook will teach you how to create robust, scalable, and fault-tolerant solutions and next-generation architecture designs in a cloud environment. It will also help you build effective product strategies for your business and implement them from start to finish. This new edition features additional chapters on disruptive technologies, such as Internet of Things (IoT),

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computing, data engineering, and machine learning. It also includes updated discussions on cloud-native architecture, blockchain data storage, and mainframe modernization with public cloud. The Solutions Architect's Handbook provides an understanding of solution architecture and how it fits into an agile enterprise environment. It will take you through the journey of solution architecture design by providing detailed knowledge of design pillars, advanced design patterns, anti-patterns, and the cloud-native aspects of modern software design. By

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the end of this handbook, you'll have learned the techniques needed to create efficient architecture designs that meet your business requirements. What you will learn Explore the various roles of a solutions architect in the enterprise landscape Implement key design principles and patterns to build high-performance cost-effective solutions Choose the best strategies to secure your architectures and increase their availability Modernize legacy applications with the help of cloud integration Understand how big data processing, machine learning, and IoT fit into

32/48

modern architecture Integrate a DevOps mindset to promote collaboration, increase operational efficiency, and streamline production Who this book is for This book is for software developers, system engineers, DevOps engineers, architects, and team leaders who already work in the IT industry and aspire to become solutions architect professionals. Existing solutions architects who want to expand their skillset or get a better understanding of new technologies will also learn valuable new skills. To get started, you'll need a good

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the real-world software development process and general programming experience in any language.

Applied Architecture Patterns on the Microsoft Platform

Mar 06 2021 The book consists of a set of business scenarios and corresponding solution critiques. Each "use case" chapter is made up of a problem description, assessment of implementation options, and the selection of the ideal solution candidate. We then construct the solution using the chosen Microsoft technology. This book is for architects, developers, and

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managers who need to improve their knowledge of the Microsoft application platform. This book will appeal to anyone who wants to get up to speed on selecting the most appropriate platform for a particular problem. Consultants and executive leadership will also find significant value in this book. A good understanding of the general Windows platform and development technologies would be helpful.

TIBCO Architecture Fundamentals Jul 30 2020 "TIBCO® Architecture Fundamentals is a must-read for anybody involved with the

architecture and design of distributed systems, system integration issues, or service-based application design." —Bert Hooyman, Chief Architect, Europe, for MphasiS (an HP Company) "I would like all the folks on my team to read this, to ensure we are all on the same page with the deliverables that are expected from architecture teams involved in global projects and the role that the TIBCO tools play in implementing these solutions." —Joseph G. Meyer, Director of Architecture Services and R&D, Citi TIBCO's product suite comprises a diverse range of components. Each component is

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specialized for a particular functionality, ranging from basic messaging through services, service orchestration, the management of complex business processes, managing master data across multiple systems, and the interpretation of massive streams of events (complex event processing). The architecture series from TIBCO® Press comprises a coordinated set of books for software architects and developers, showing how to combine TIBCO components to design and build real-world solutions. TIBCO® Architecture Fundamentals is

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the core book for understanding and using the TIBCO product suite. It focuses on the TIBCO ActiveMatrix® product suite and a handful of the other most commonly used components, including the TIBCO Enterprise Message Service™ and TIBCO BusinessEvents™. The book provides a sound basis for applying TIBCO products to solve the most common integration and SOA challenges faced by architects and developers. In addition, it lays the foundation for the more advanced books to be added to the architecture series. Designed to make the material as accessible as possible, the book

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starts with concrete problems architects and developers face every day, showing how to solve these problems with combinations of TIBCO (and selected third-party) products. In the context of specific design scenarios, it also discusses key concepts and decision trade-offs. To accomplish its practical aims, the book Provides useful techniques for discussing and documenting architectures Presents reference architectures (design patterns) for solving common SOA and system integration problems Describes each problem and solution from both business process and technical

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perspectives
Supplies an overview of the typical solution roles played by different TIBCO products The book largely avoids the code-level detail already available in the product manuals, concentrating instead on blueprints for solving whole classes of problems.

Introduction to Solution

Architecture Oct 25 2022 Solution architecture is concerned with the design and definition of (information technology) solutions so they can be subsequently implemented, used, operated and supported securely and efficiently. The

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solution exists to operate business processes in order to achieve business objectives, meet a business need and deliver business value. Solution architecture is concerned with engaging with the originating business function looking for the solution to create a solution vision and design a solution that meet their needs, subject to a range of constraints such as cost and affordability, time to deliver and organisational standards. The solution must exist as a coherent whole. Solutions must be designed consistently across the solution landscape and make optimum use of appropriate

technologies.

Solution architecture must focus on creating usable and useful solutions. Solution architecture must have a standard reliable approach to business engagements and the design of solution that emerge from them. Solution architecture must work collaboratively with other information technology functions - other architecture roles, business analysis and service management - to ensure continuity along the solution delivery journey. Effective solution architecture involves: -Have a depth and breadth of solution delivery

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and technical experience to be able to identify solution design options quickly-Being able to understand the detail of the solution while maintaining a view of the wider (and higher) context of the business need for the solution and being able to explain both these views of sets of information-Being able to communicate effectively with all parties - technical and business - involved in the solution design and delivery journey, assist with decision-making, be realistic and make appropriate compromises and design choices in order to create the best solution

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design-Being able to apply technology appropriately and with selective innovation (and the desire to constantly acquire new knowledge and ways of applying technology)-Being involved in the solution delivery journey along its entire length-Being able to be the solution advocate and subject matter expertThis book is aimed at a variety of potential readers: -Existing solution architects who want to have a more theoretical and a broader understanding of their role-Existing or new managers of solution architecture functions who want to create a high-performing practice within their

organisations and who want to articulate the benefits and value solution architect can contribute to the information technology function and the wider business and the potential it can offer to the business organisation-Mangers of information technology functions who want to understand what solution architecture is, where it fits into the wider architecture context and disciplines and solution delivery and operation and the value it can contribute to both the information technology function and the wider business

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information
technology
architects who want
to understand how
the architecture
disciplines can
work together to
deliver value-
Business analysts
and managers of
business analysis
functions who want
to understand how
they can work more
closely with the
solution
architecture
function in order to
provide the
business with a
better overall
service-Other
information
technology
personnel who want
to move into
solution
architecture and
who want to
understand what it
is-Consulting
organisations and
individuals who
want to develop and

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offer value-adding
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quick start guide to
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frameworks, design
patterns, and best
practices Key
FeaturesApply
critical thinking to
your software
development and
architecture
practices and bring
structure to your
approach using
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cloud-native
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architectureIntegra
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technology trends
into your
architectural

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designsBook
Description Are you
a seasoned
developer who likes
to add value to a
project beyond just
writing code? Have
you realized that
good development
practices are not
enough to make a
project successful,
and you now want
to embrace the
bigger picture in
the IT landscape? If
so, you're ready to
become a software
architect; someone
who can deal with
any IT stakeholder
as well as add value
to the numerous
dimensions of
software
development. The
sheer volume of
content on software
architecture can be
overwhelming,
however. Software
Architecture for
Busy Developers is
here

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Written by Stephane Eyskens, author of The Azure Cloud Native Mapbook, this book guides you through your software architecture journey in a pragmatic way using real-world scenarios. By drawing on over 20 years of consulting experience, Stephane will help you understand the role of a software architect, without the fluff or unnecessarily complex theory. You'll begin by understanding what non-functional requirements mean and how they concretely impact target architecture. The book then covers different frameworks used across the entire enterprise

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landscape with the help of use cases and examples. Finally, you'll discover ways in which the cloud is becoming a game changer in the world of software architecture. By the end of this book, you'll have gained a holistic understanding of the architectural landscape, as well as more specific software architecture skills. You'll also be ready to pursue your software architecture journey on your own - and in just one weekend! What you will learn Understand the roles and responsibilities of a software architect Explore enterprise architecture tools

and frameworks such as The Open Group Architecture Framework (TOGAF) and ArchiMateGet to grips with key design patterns used in software developmentExplore the widely adopted Architecture Tradeoff Analysis Method (ATAM)Discover the benefits and drawbacks of monoliths, service-oriented architecture (SOA), and microservicesStay on top of trending architectures such as API-driven, serverless, and cloud nativeWho this book is for This book is for developers who want to move up the organizational ladder

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software architects by understanding the broader application landscape and discovering how large enterprises deal with software architecture practices. Prior knowledge of software development is required to get the most out of this book.

SOA Source Book

Oct 01 2020

Software services are established as a programming concept, but their impact on the overall architecture of enterprise IT and business operations is not well-understood. This has led to problems in deploying SOA, and some disillusionment. The SOA Source Book adds to this a **Where To Download Solution Architecture Role Free Download Pdf**

collection of reference material for SOA. It is an invaluable resource for enterprise architects working with SOA. The SOA Source Book will help enterprise architects to use SOA effectively. It explains: What SOA is How to evaluate SOA features in business terms How to model SOA How to use The Open Group Architecture Framework (TOGAF™) for SOA SOA governance This book explains how TOGAF can help to make an Enterprise Architecture. Enterprise Architecture is an approach that can help management to understand this growing complexity. Cracking the IT

Architect Interview

Jun 21 2022 The ultimate guide to successful interviews for Enterprise, Business, Domain, Solution, and Technical Architect roles as well as IT Advisory Consultant and Software Designer roles About This Book Learn about Enterprise Architects IT strategy and NFR - this book provides you with methodologies, best practices, and frameworks to ace your interview A holistic view of key architectural skills and competencies with 500+ questions that cover 12 domains 100+ diagrams depicting scenarios, models, and methods **Where To Download tokensale.udap.io on November 26, 2022 Free Download Pdf**

designed to help you prepare for your interview Who This Book Is For This book is for aspiring enterprise, business, domain, solution, and technical architects. It is also ideal for IT advisory consultants and IT designers who wish to interview for such a role. Interviewers will be able leverage this book to make sure they hire candidates with the right competencies to meet the role requirements. What You Will Learn Learn about IT strategies, NFR, methodologies, best practices, and frameworks to ace your interview Get a holistic view of key concepts, design principles, and patterns

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related to evangelizing web and Java enterprise applications Discover interview preparation guidelines through case studies Use this as a reference guide for adopting best practices, standards, and design guidelines Get a better understanding with 60+ diagrams depicting various scenarios, models, and methodologies Benefit from coverage of all architecture domains including EA (Business, Data, Infrastructure, and Application), SA, integration, NFRs, security, and SOA, with extended coverage from IT strategies to the NFR domain In Detail An architect attends multiple

interviews for jobs or projects during the course of his or her career. This book is an interview resource created for designers, consultants, technical, solution, domain, enterprise, and chief architects to help them perform well in interview discussions and launch a successful career. The book begins by providing descriptions of architecture skills and competencies that cover the 12 key domains, including 350+ questions relating to these domains. The goal of this book is to cover all the core architectural domains. From an architect's perspective, it is

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or learn about all these key areas without a good reference guide – this book is the solution. It shares experiences, learning, insights, and proven methodologies that will benefit practitioners, SMEs, and aspirants in the long run. This book will help you tackle the NFR domain, which is a key aspect pertaining to architecting applications. It typically takes years to understand the core concepts, fundamentals, patterns, and principles related to architecture and designs. This book is a goldmine for the typical questions asked during an interview and will help

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prepare you for success! Style and approach This book will help you prepare for interviews for architectural profiles by providing likely questions, explanations, and expected answers. It is an insight-rich guide that will help you develop strategic, tactical, and operational thinking for your interview.

IT Architecture For Dummies Aug 11 2021 A solid introduction to the practices, plans, and skills required for developing a smart system architecture Information architecture combines IT skills with business skills in order to align the IT structure of an

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organization with the mission, goals, and objectives of its business. This friendly introduction to IT architecture walks you through the myriad issues and complex decisions that many organizations face when setting up IT systems to work in sync with business procedures. Veteran IT professional and author Kirk Hausman explains the business value behind IT architecture and provides you with an action plan for implementing IT architecture procedures in an organization. You'll explore the many challenges that organizations face as they attempt to use

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enhance their business's productivity so that you can gain a solid understanding of the elements that are required to plan and create an architecture that meets specific business goals.

Defines IT architecture as a blend of IT skills and business skills that focuses on business optimization, business architecture, performance management, and organizational structure Uncovers and examines every topic within IT architecture including network, system, data, services, application, and more Addresses the challenges that organizations face

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when attempting to use information technology to enable profitability and business continuity While companies look to technology more than ever to enhance productivity, you should look to IT Architecture For Dummies for guidance in this field.

Agile Software Requirements Nov 02 2020 “We need better approaches to understanding and managing software requirements, and Dean provides them in this book. He draws ideas from three very useful intellectual pools: classical management practices, Agile methods, and lean product

development. By combining the strengths of these three approaches, he has produced something that works better than any one in isolation.” –From the Foreword by Don Reinertsen, President of Reinertsen & Associates; author of *Managing the Design Factory*; and leading expert on rapid product development Effective requirements discovery and analysis is a critical best practice for serious application development. Until now, however, requirements and Agile methods have rarely coexisted peacefully. For many enterprises considering Agile app

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absence of effective and scalable Agile requirements processes has been a showstopper for Agile adoption. In *Agile Software Requirements*, Dean Leffingwell shows exactly how to create effective requirements in Agile environments. Part I presents the “big picture” of Agile requirements in the enterprise, and describes an overall process model for Agile requirements at the project team, program, and portfolio levels Part II describes a simple and lightweight, yet comprehensive model that Agile project teams can use to manage requirements Part III shows how to develop Agile

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requirements for complex systems that require the cooperation of multiple teams Part IV guides enterprises in developing Agile requirements for ever-larger “systems of systems,” application suites, and product portfolios This book will help you leverage the benefits of Agile without sacrificing the value of effective requirements discovery and analysis. You’ll find proven solutions you can apply right now—whether you’re a software developer or tester, executive, project/program manager, architect, or team leader.

Solution

Architecture Foundations

May 20 2022 This coursebook supports and accompanies the BCS Foundation Certificate in Solution Architecture. The book is fully aligned to the certificate's content, learning objectives and reference list and covers everything candidates will need to know to pass the exam. Case studies and test questions to support learning are included throughout.

Microservice Architecture

Nov 21 2019 Have you heard about the tremendous success Amazon and Netflix have had by switching to a

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architecture? Are you wondering how this can benefit your company? Or are you skeptical about how it might work? If you've answered yes to any of these questions, this practical book will benefit you. You'll learn how to take advantage of the microservice architectural style for building systems, and learn from the experiences of others to adopt and execute this approach most successfully.

Software Architecture with Python Feb 17 2022

Architect and design highly scalable, robust, clean, and highly performant applications in Python About This

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Book Identify design issues and make the necessary adjustments to achieve improved performance Understand practical architectural quality attributes from the perspective of a practicing engineer and architect using Python Gain knowledge of architectural principles and how they can be used to provide accountability and rationale for architectural decisions Who This Book Is For This book is for experienced Python developers who are aspiring to become the architects of enterprise-grade applications or software architects who would like to

leverage Python to create effective blueprints of applications. What You Will Learn Build programs with the right architectural attributes Use Enterprise Architectural Patterns to solve scalable problems on the Web Understand design patterns from a Python perspective Optimize the performance testing tools in Python Deploy code in remote environments or on the Cloud using Python Secure architecture applications in Python In Detail This book starts off by explaining how Python fits into an application architecture. As you move **Where To Download tokensale.udap.io on November 26, 2022 Free Download Pdf**

will understand the architecturally significant demands and how to determine them. Later, you'll get a complete understanding of the different architectural quality requirements that help an architect to build a product that satisfies business needs, such as maintainability/reusability, testability, scalability, performance, usability, and security. You will use various techniques such as incorporating DevOps, Continuous Integration, and more to make your application robust. You will understand when and when not to use object orientation in your

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applications. You will be able to think of the future and design applications that can scale proportionally to the growing business. The focus is on building the business logic based on the business process documentation and which frameworks are to be used when. We also cover some important patterns that are to be taken into account while solving design problems as well as those in relatively new domains such as the Cloud. This book will help you understand the ins and outs of Python so that you can make those critical design decisions that not just live up to but also surpass the expectations of

your clients. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to help you with everything it takes to become a successful software architect.

[AWS for Solutions Architects](#) Jun 09 2021 Apply cloud design patterns to overcome real-world challenges by building scalable, secure, highly available, and cost-effective solutions Key FeaturesApply AWS Well-Architected Framework concepts to common real-world use casesUnderstand how to select AWS patterns and architectures that are best suited to you
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the security and stability of a solution without impacting cost or performance

Book Description One of the most popular cloud platforms in the world, Amazon Web Services (AWS) offers hundreds of services with thousands of features to help you build scalable cloud solutions; however, it can be overwhelming to navigate the vast number of services and decide which ones best suit your requirements.

Whether you are an application architect, enterprise architect, developer, or operations engineer, this book will take you through AWS

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architectural patterns and guide you in selecting the most appropriate services for your projects. AWS for Solutions Architects is a comprehensive guide that covers the essential concepts that you need to know for designing well-architected AWS solutions that solve the challenges organizations face daily. You'll get to grips with AWS architectural principles and patterns by implementing best practices and recommended techniques for real-world use cases. The book will show you how to enhance operational efficiency, security, reliability, performance, and cost-effectiveness

using real-world examples. By the end of this AWS book, you'll have gained a clear understanding of how to design AWS architectures using the most appropriate services to meet your organization's technological and business requirements. What you will learn

Rationalize the selection of AWS as the right cloud provider for your organization

Choose the most appropriate service from AWS for a particular use case or project

Implement change and operations management

Find out the right resource type and size to balance performance

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efficiencyDiscover how to mitigate risk and enforce security, authentication, and authorizationIdentify common business scenarios and select the right reference architectures for themWho this book is for This book is for application and enterprise architects, developers, and operations engineers who want to become well-versed with AWS architectural patterns, best practices, and advanced techniques to build scalable, secure, highly available, and cost-effective solutions in the cloud. Although existing AWS users will find this book most useful, it will also help potential

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users understand how leveraging AWS can benefit their organization. **Enterprise Master Data Management** Jul 18 2019 The Only Complete Technical Primer for MDM Planners, Architects, and Implementers Companies moving toward flexible SOA architectures often face difficult information management and integration challenges. The master data they rely on is often stored and managed in ways that are redundant, inconsistent, inaccessible, non-standardized, and poorly governed. Using Master Data Management (MDM), organizations can

regain control of their master data, improve corresponding business processes, and maximize its value in SOA environments. Enterprise Master Data Management provides an authoritative, vendor-independent MDM technical reference for practitioners: architects, technical analysts, consultants, solution designers, and senior IT decisionmakers. Written by the IBM® data management innovators who are pioneering MDM, this book systematically introduces MDM's key concepts and technical themes, explains its business case, and

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illuminates how it interrelates with and enables SOA. Drawing on their experience with cutting-edge projects, the authors introduce MDM patterns, blueprints, solutions, and best practices published nowhere else—everything you need to establish a consistent, manageable set of master data, and use it for competitive advantage. Coverage includes

How MDM and SOA complement each other Using the MDM Reference Architecture to position and design MDM solutions within an enterprise Assessing the value and risks to master data and applying the right security controls Using PIM-MDM and CDI-MDM Solution Blueprints to address industry-specific information management challenges Explaining MDM patterns as enablers to

accelerate consistent MDM deployments Incorporating MDM solutions into existing IT landscapes via MDM Integration Blueprints Leveraging master data as an enterprise asset—bringing people, processes, and technology together with MDM and data governance Best practices in MDM deployment, including data warehouse and SAP integration