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KEY=KEY - MARITZA BURNS

Solutions Architect's Handbook

Kick-start your career as a solutions architect by learning architecture design principles and strategies

Packt Publishing Ltd 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 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), quantum 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 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 learnExplore the various roles of a solutions architect in the enterprise landscapeImplement key design principles and patterns to build high-performance cost-effective solutionsChoose the best strategies to secure your architectures and increase their availabilityModernize legacy applications with the help of cloud integrationUnderstand how big data processing, machine learning, and IoT fit into modern architectureIntegrate a DevOps mindset to promote collaboration, increase operational efficiency, and streamline productionWho 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 understanding of the real-world software development process and general programming experience in any language.

Microsoft Power Platform Solution Architect's Handbook

An expert's guide to becoming a Power Platform solution architect and preparing for the PL-600 exam

Packt Publishing Ltd Gain expertise in solution architecture and master all aspects of Power Platform, from data and automation to analytics and security Key FeaturesBecome a full-fledged Power Platform expert and lead your solutions with conviction and clarityAdopt a consistent, systematic, and advanced approach to solution architectureWork on practical examples and exercises to develop expert-level skills and prepare for certificationBook Description If you've been looking for a way to unlock the potential of Microsoft Power Platform and take your career as a solution architect to the next level, then look no further—this practical guide covers it all. Microsoft Power Platform Solution Architect's Handbook will equip you with everything you need to build flexible and cost-effective end-to-end solutions. Its comprehensive coverage ranges from best practices surrounding fit-gap analysis, leading design processes, and navigating existing systems to application lifecycle management with Microsoft Azure DevOps, security compliance monitoring, and third-party API integration. The book takes a hands-on approach by guiding you through a fictional case study throughout the book, allowing you to apply what you learn as you learn it. At the end of the handbook, you'll discover a set of mock tests for you to embed your progress and prepare for PL-600 Microsoft certification. Whether you want to learn how to work with Power Platform or want to take your skills from the intermediate to advanced level, this book will help you achieve that and ensure that you're able to add value to your organization as an expert solution architect. What you will learnCement the foundations of your applications using best practicesUse proven design, build, and go-live strategies to ensure successLead requirements gathering and analysis with confidenceSecure even the most complex solutions and integrationsEnsure compliance between the Microsoft ecosystem and your businessBuild resilient test and deployment strategies to optimize solutionsWho this book is for This book is for solution architects, enterprise architects, technical consultants, and business and system analysts who implement, optimize, and architect Power Platform and Dataverse solutions. It will also help anyone who needs a detailed playbook for architecting and delivering successful digital transformation projects that leverage Power Platform apps and the Microsoft business apps ecosystem. A solid understanding of Power Platform configuration and administration, Power Automate processes, Power Apps Portals, Canvas Apps, Dataverse Plugins, and Workflow Capabilities is expected.

Becoming a Salesforce Certified Technical Architect

Prepare for the review board by practicing example-led architectural strategies and best practices

Packt Publishing Ltd Design and build high-performance, secure, and scalable Salesforce solutions to meet business demands and gain practical experience using real-world scenarios by creating engaging end-to-end solution presentations Key Features • Learn common integration, data migration, and security patterns for designing scalable and reliable solutions on the Salesforce Lightning platform • Build an end-to-end delivery framework pipeline for delivering successful projects within specified timelines • Gain access to an exclusive book club of skilled Salesforce professionals, to discuss ideas, best practices, and share experiences of designing modern solutions using Salesforce Book Description Salesforce Certified Technical Architect (CTA) is the ultimate certification to validate your knowledge and skills when it comes to designing and building high-performance technical solutions on the Salesforce platform. The CTA certificate is granted after successfully passing the CTA review board exam, which tests your platform expertise and soft skills for communicating your solutions and vision. You'll start with the core concepts that every architect should master, including data lifecycle, integration, and security, and build your aptitude for creating high-level technical solutions. Using real-world examples, you'll explore essential topics such as selecting systems or components for your solutions, designing scalable and secure Salesforce architecture, and planning the development lifecycle and deployments. Finally, you'll work on two full mock scenarios that simulate the review board exam, helping you learn how to identify requirements, create a draft solution, and combine all the elements together to create an engaging story to present in front of the board or to a client in real life. By the end of this Salesforce book, you'll have

gained the knowledge and skills required to pass the review board exam and implement architectural best practices and strategies in your day-to-day work. What you will learn • Explore data lifecycle management and apply it effectively in the Salesforce ecosystem • Design appropriate enterprise integration interfaces to build your connected solution • Understand the essential concepts of identity and access management • Develop scalable Salesforce data and system architecture • Design the project environment and release strategy for your solution • Articulate the benefits, limitations, and design considerations relating to your solution • Discover tips, tricks, and strategies to prepare for the Salesforce CTA review board exam Who this book is for This book is for Salesforce architects who want to become certified technical architects by learning how to design secure and scalable technical solutions for their organizations. A solid understanding of the Salesforce platform is required, ideally combined with 3 to 5 years of practical experience as an application architect, system architect, enterprise architect, or solution architect. Table of Contents • Starting Your Journey as a CTA • Core Architectural Concepts - Data • Core Architectural Concepts - Integration and Cryptography • Core Architectural Concepts - Identity and Access Management • Developing a Scalable System Architecture • Formulating a Secure Architecture in Salesforce • Designing a Scalable Salesforce Data Architecture • Creating a Lean Solution Architecture • Forging an Integrated Solution • Development Life Cycle and Deployment Planning • Communicating and Socialising Your Solution • Practice the Review Board - First Mock (N.B. Please use the Look Inside option to see further chapters)

AWS Certified Solutions Architect – Associate Guide

The ultimate exam guide to AWS Solutions Architect certification

Packt Publishing Ltd Learn from the AWS subject-matter experts, apply real-world scenarios and clear the AWS Certified Solutions Architect –Associate exam Key FeaturesBuild highly reliable and scalable workloads on the AWS platformPass the exam in less time and with confidenceGet up and running with building and managing applications on the AWS platformBook Description Amazon Web Services (AWS) is currently the leader in the public cloud market. With an increasing global interest in leveraging cloud infrastructure, the AWS Cloud from Amazon offers a cutting-edge platform for architecting, building, and deploying web-scale cloud applications. As more the rate of cloud platform adoption increases, so does the need for cloud certification. The AWS Certified Solution Architect – Associate Guide is your one-stop solution to gaining certification. Once you have grasped what AWS and its prerequisites are, you will get insights into different types of AWS services such as Amazon S3, EC2, VPC, SNS, and more to get you prepared with core Amazon services. You will then move on to understanding how to design and deploy highly scalable applications. Finally, you will study security concepts along with the AWS best practices and mock papers to test your knowledge. By the end of this book, you will not only be fully prepared to pass the AWS Certified Solutions Architect – Associate exam but also capable of building secure and reliable applications. What you will learnExplore AWS terminology and identity and access managementAcquaint yourself with important cloud services and features in categories such as compute, network, storage, and databasesDefine access control to secure AWS resources and set up efficient monitoringBack up your database and ensure high availability by understanding all of the database-related services in the AWS CloudIntegrate AWS with your applications to meet and exceed non-functional requirementsBuild and deploy cost-effective and highly available applicationsWho this book is for The AWS Certified Solutions Architect –Associate Guide is for you if you are an IT professional or Solutions Architect wanting to pass the AWS Certified Solution Architect – Associate 2018 exam. This book is also for developers looking to start building scalable applications on AWS

Study Guide for The Codes Guidebook for Interiors

John Wiley & Sons STUDY GUIDE FOR THE CODES GUIDEBOOK FOR INTERIORS The comprehensive study guide for understanding interior codes This revised and updated eighth edition of the Study Guide for the Codes Guidebook for Interiors is an essential companion to The Codes Guidebook for Interiors, the industry's reference of choice. It offers complete coverage of the major codes and standards that apply to interior projects. This Study Guide includes lists of terms, practice questions, practical application exercises, code tables, and checklists. This companion study guide is a comprehensive measure of a designer's understanding and application of codes for interior projects. It can help design students learn and practitioners keep their skills up to date and prepare for the NCIDQ and ARE exams. It is vital that designers and architects have an up-to-date working knowledge of the various codes involved with building interiors, whether during renovation or new construction, and this study guide offers the opportunity to: Study with many new questions, in both the short answer and application sections Review the key terms of the industry Use the practice questions and exercises to test working knowledge of codes Utilize the code tables during the design process Employ the numerous checklists on proposed and real life projects to ensure complete compliance The revised Study Guide is a useful companion to The Codes Guidebook for Interiors, the essential reference for all interior professionals. For the designer, architect, or student, the Study Guide for The Codes Guidebook for Interiors is a must-have resource.

The Civil Engineer and Architect's Journal

97 Things Every Software Architect Should Know

Collective Wisdom from the Experts

"O'Reilly Media, Inc." In this truly unique technical book, today's leading software architects present valuable principles on key development issues that go way beyond technology. More than four dozen architects -- including Neal Ford, Michael Nygard, and Bill de hOra -- offer advice for communicating with stakeholders, eliminating complexity, empowering developers, and many more practical lessons they've learned from years of experience. Among the 97 principles in this book, you'll find useful advice such as: Don't Put Your Resume Ahead of the Requirements (Nitin Borwankar) Chances Are, Your Biggest Problem Isn't Technical (Mark Ramm) Communication Is King; Clarity and Leadership, Its Humble Servants (Mark Richards) Simplicity Before Generality, Use Before Reuse (Kevlin Henney) For the End User, the Interface Is the System (Vinayak Hegde) It's Never Too Early to Think About Performance (Rebecca Parsons) To be successful as a software architect, you need to master both business and technology. This book tells you what top software architects think is important and how they approach a project. If you want to enhance your career, 97 Things Every Software Architect Should Know is essential reading.

The Inland Architect and News Record

Product-Service Integration for Sustainable Solutions

Proceedings of the 5th CIRP International Conference on Industrial Product-Service Systems, Bochum, Germany, March 14th - 15th, 2013

Springer Science & Business Media "An Industrial Product-Service System is characterized by the integrated and mutually determined planning, development, provision and use of product and service shares including its immanent software components in Business-to-Business applications and represents a knowledge-intensive socio-technical system." – Meier, Roy, Seliger (2010) Since the first conference in 2009, the CIRP International Conference on Industrial Product-Service Systems has become a well-established international forum for the review and discussion of advances, research results and industrial improvements. Researchers from all over the world have met at previous IPS2 conferences in Cranfield (2009), Linköping (2010), Braunschweig (2011) and Tokyo (2012). In 2013, the 5th

CIRP International Conference on Industrial Product-Service Systems is held in Bochum. Important topics of IPS2 research presented at the conference are: planning and development, sustainability, business models, operation, service engineering, knowledge management, ICT, modeling and simulation, marketing and economic aspects as well as the role of the human in IPS2.

Fundamentals of Software Architecture

An Engineering Approach

O'Reilly Media 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 into account 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 software architecture

20 Practice Sets for LIC ADO (Apprentice Development Officers) Preliminary & Main Exams with 5 Online Tests 2nd Edition

Disha Publications

American Architect

The Design and Layout of Fire Sprinkler Systems, Second Edition

CRC Press Although effective fire sprinkler systems are crucial to public safety, for years, the designers of those systems had few published resources to reference and guide them through their design processes. The first edition of this book changed all that, and now The Design and Layout of Fire Sprinkler Systems Second Edition suits their needs even better. Written and thoroughly updated by a fire prevention engineer with more than 20 years of experience, this book provides a complete, systematic introduction to automatic fire sprinkler design and layout, from design basics, code requirements, and pipe hanging to hydraulic calculations, retrofits, and details on fire pumps. The author carefully outlines all of a designer's responsibilities and includes an entire chapter dedicated to preparing for the NICET exam. More than 150 sample diagrams, checklists, sample forms, spec sheets, photographs, and a glossary complement the text, and the larger page size of this edition permits clear presentation of diagrams and schematics. The Design and Layout of Fire Sprinkler Systems not only builds the foundation and skills of newcomers to the field, but also provides an outstanding reference for fire safety professionals, building inspectors, insurance underwriters, and municipal officials.

The Architect's Handbook of Professional Practice Update 2004

John Wiley & Sons REDEFINING THE PRACTICE OF ARCHITECTURE CLIENT • BUSINESS • DELIVERY • SERVICES This second companion volume to the Thirteenth Edition of The Architect's Handbook of Professional Practice brings architects and others working in the architectural community up to date on the current state of the practice, from important issues affecting day-to-day operations and emerging business trends to the latest AIA contract documents. The three sections of this easy-to-use reference present accessible, field-tested knowledge on running a successful business: Practice reports–Read real-world reports from practitioners in the field, including a survey of client decision makers in the health care sector describing how these clients perceive services performed by architects. Learn from firms that are striking out in new directions by blending expanded services with core design offerings. Find out how to attract new business by making your firm more environmentally conscious, and see how the power of digital technology can transform the traditionally segmented project delivery process. Practice topics–Add practical techniques for uncovering client and user needs to your practice arsenal. Discover the distinctive aspects and challenges of small projects in small practice settings. Enhance your knowledge of managing multiple offices, keeping key staff, and maintaining the intent and quality of your project designs. Gain an understanding of expert witnesses and facility evaluation services. AIA contract documents–Find out what's new in the AIA documents program and update your files with an accompanying CD-ROM containing all existing, revised, and new AIA contract documents.

The Canadian Architect

IBPS Bank Clerk Guide for Preliminary & Main Exams 2020-21 with 4 Online Tests (10th Edition)

Disha Publications

The Elysian Fields of Information Technology. a People Path to Technological Value.

Mark K. Allen A Must-Have Reference for both Business and IT Professionals! - Discover and Deal with how IT works in the real world - Understand Information People and what makes them tick - Build and maintain powerful and positive relationships between the Business and IT that move your Business forward - Create and manage effective IT teams that get the job done on time, within budget, and increase company revenue - Understand and manage the Business Politics of IT - Make sense of Business Technology and have it work for you - Get familiar with new methodologies that are influencing the future of technology - Learn to avoid the pitfalls that result in IT project failures and waste money - Inspire Business teams to focus on obtaining the unfair advantage in their industry through the intelligent and managed use of technology - Discover how to use meaningful technology to improve the quality of life of everyone who wants and needs it

Becoming an Agile Software Architect

Strategies, practices, and patterns to help architects design continually evolving solutions

Packt Publishing Ltd 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 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 appropriately in the 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 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.

IBPS Bank Clerk Guide for Preliminary & Main Exams 9th Edition

Disha Publications

IBPS Bank Clerk Guide for Preliminary & Main Exams 8th Edition

Disha Publications IBPS-CWE Bank Clerk Examination Guide – 7th edition contains specific sections for Reasoning, English Language, Numerical Ability, General Awareness with special reference to Banking Industry and Computer Knowledge. The book has been thoroughly revised and contains to the point theory with illustrations followed by a set of exercise with solutions. The book provides the 2012 - 2016 Solved papers including the 2015-16 Prelim & Mains paper inside the book. The 2017 papers are provided in the start of the book so that the students can understant the current pattern.

Disadvantaged Business (DB) and Woman Business Enterprise (WBE) List and ... Disabled Veteran Business Enterprise (DVBE) List

Systems Engineering in the Fourth Industrial Revolution

Big Data, Novel Technologies, and Modern Systems Engineering

John Wiley & Sons An up-to-date guide for using massive amounts of data and novel technologies to design, build, and maintain better systems engineering Systems Engineering in the Fourth Industrial Revolution: Big Data, Novel Technologies, and Modern Systems Engineering offers a guide to the recent changes in systems engineering prompted by the current challenging and innovative industrial environment called the Fourth Industrial Revolution—INDUSTRY 4.0. This book contains advanced models, innovative practices, and state-of-the-art research findings on systems engineering. The contributors, an international panel of experts on the topic, explore the key elements in systems engineering that have shifted towards data collection and analytics, available and used in the design and development of systems and also in the later life-cycle stages of use and retirement. The contributors address the issues in a system in which the system involves data in its operation, contrasting with earlier approaches in which data, models, and algorithms were less involved in the function of the system. The book covers a wide range of topics including five systems engineering domains: systems engineering and systems thinking; systems software and process engineering; the digital factory; reliability and maintainability modeling and analytics; and organizational aspects of systems engineering. This important resource: Presents new and advanced approaches, methodologies, and tools for designing, testing, deploying, and maintaining advanced complex systems Explores effective evidence-based risk management practices Describes an integrated approach to safety, reliability, and cyber security based on system theory Discusses entrepreneurship as a multidisciplinary system Emphasizes technical merits of systems engineering concepts by providing technical models Written for systems engineers, Systems Engineering in the Fourth Industrial Revolution offers an up-to-date resource that contains the best practices and most recent research on the topic of systems engineering.

The Image of the City

MIT Press The classic work on the evaluation of city form. What does the city's form actually mean to the people who live there? What can the city planner do to make the city's image more vivid and memorable to the city dweller? To answer these questions, Mr. Lynch, supported by studies of Los Angeles, Boston, and Jersey City, formulates a new criterion—imageability—and shows its potential value as a guide for the building and rebuilding of cities. The wide scope of this study leads to an original and vital method for the evaluation of city form. The architect, the planner, and certainly the city dweller will all want to read this book.

SPS2020

Proceedings of the Swedish Production Symposium, October 7-8, 2020

IOS Press Knowledge-intensive product realization implies embedded intelligence; meaning that if both theoretical and practical knowledge and understanding of a subject is integrated into the design and production processes of products, this will significantly increase added value. This book presents papers accepted for the 9th Swedish Production Symposium (SPS2020), hosted by the School of Engineering, Jönköping University, Sweden, and held online on 7 & 8 October 2020 because of restrictions due to the Corona virus pandemic. The subtitle of the conference was Knowledge Intensive Product Realization in Co-Operation for Future Sustainable Competitiveness. The book contains the 57 papers accepted for presentation at the conference, and these are divided into nine sections which reflect the topics covered: resource efficient production; flexible production; virtual production development; humans in production systems; circular production systems and maintenance; integrated product and production development; advanced and optimized components, materials and manufacturing; digitalization for smart products and services; and responsive and efficient operations and supply chains. In addition, the book presents five special sessions from the symposium: development of changeable and reconfigurable production systems; smart production system design and development; supply chain relocation; management of manufacturing digitalization; and additive manufacturing in the production system. The book will be of interest to all those working in the field of knowledge-intensive product realization.

Study Guide for The Codes Guidebook for Interiors

John Wiley & Sons The comprehensive study guide for understanding interior codes This revised and updated seventh edition of the Study Guide for the Codes Guidebook for Interiors is an essential companion to The Codes Guidebook for Interiors, the industry's reference of choice, with complete coverage of the major codes and standards that apply to interior projects. This Study Guide includes term lists, practice questions, practical application exercises, code tables, checklists, and a book companion site featuring interactive checklists, helping designers and architects check their knowledge and comprehension from reading The Codes Guidebook for Interior chapters and prepare for the NCIDQ and ARE exams. Since The Codes Guidebook for Interiors text covers the latest requirements, standards, terminology, and federal regulations, including the 2015 ICC, the current ADA standards, and ICC/ANSI requirements as well as information on green construction, this companion study guide is a comprehensive measure of designers understanding and application of codes for interior projects. It can help design students learn and practitioners keep their skills up to date. Because it is vital that designers and architects have an up-to-date working knowledge of the various codes involved with building interiors, whether during renovation or new construction, the study guide offers them an opportunity to: Check their knowledge of the key terms of the industry Test their working knowledge of codes using the practice questions and problem scenarios Utilize the code tables during the design process Employ the numerous checklists on proposed and real life projects to ensure complete compliance The revised Study Guide is a useful companion to The Codes Guidebook for Interiors, the essential reference for all interior professionals. Check your understanding of the individual chapters as exam prep or even just as a self-test. For the designer, architect, or student, the Study Guide for The Codes Guidebook for Interiors is a must-have resource.

Exercises and Solutions in Statistical Theory

CRC Press Exercises and Solutions in Statistical Theory helps students and scientists obtain an in-depth understanding of statistical theory by working on and reviewing solutions to interesting and challenging exercises of practical importance. Unlike similar books, this text incorporates many exercises that apply to real-world settings and provides much more thorough solutions. The exercises and selected detailed solutions cover from basic probability theory through to the theory of statistical inference. Many of the exercises deal with important, real-life scenarios in areas such as medicine, epidemiology, actuarial science, social science, engineering, physics, chemistry, biology, environmental health, and sports. Several exercises illustrate the utility of study design strategies, sampling from finite populations, maximum likelihood, asymptotic theory, latent class analysis, conditional inference, regression analysis, generalized linear models, Bayesian analysis, and other statistical topics. The book also contains references to published books and articles that offer more information about the statistical concepts. Designed as a supplement for advanced undergraduate and graduate courses, this text is a valuable source of classroom examples, homework problems, and examination questions. It is also useful for scientists interested in enhancing or refreshing their theoretical statistical skills. The book improves readers' comprehension of the principles of statistical theory and helps them see how the principles can be used in practice. By mastering the theoretical statistical strategies necessary to solve the exercises, readers will be prepared to successfully study even higher-level statistical theory.

InfoWorld

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

The Architect's Handbook of Professional Practice

Aia Press

Issues & Trends of Information Technology Management in Contemporary Organizations

IGI Global As the field of information technology continues to grow and expand, it impacts more and more organizations worldwide. The leaders within these organizations are challenged on a continuous basis to develop and implement programs that successfully apply information technology applications. This is a collection of unique perspectives on the issues surrounding IT in organizations and the ways in which these issues are addressed. This valuable book is a compilation of the latest research in the area of IT utilization and management.

A Philosophy of Software Design

Yaknyam Publishing

Asian Architect and Contractor

Professional Cloud Architect – Google Cloud Certification Guide

A handy guide to designing, developing, and managing enterprise-grade GCP cloud solutions

Packt Publishing Ltd Become a Professional Cloud Architect by exploring essential concepts, tools, and services in GCP and working through tests designed to help you get certified Key FeaturesPlan and design a GCP cloud solution architectureEnsure the security and reliability of your cloud solutions and operationsTest yourself by taking mock tests with up-to-date exam questionsBook Description Google Cloud Platform (GCP) is one of the leading cloud service suites and offers solutions for storage, analytics, big data, machine learning, and application development. It features an array of services that can help organizations to get the best out of their infrastructure. This comprehensive guide covers a variety of topics specific to Google's Professional Cloud Architect official exam syllabus and guides you in using the right methods for effective use of GCP services. You'll start by exploring GCP, understanding the benefits of becoming a certified architect, and learning how to register for the exam. You'll then delve into the core services that GCP offers such as computing, storage, and security. As you advance, this GCP book will help you get up to speed with methods to scale and automate your cloud infrastructure and delve into containers and services. In the concluding chapters, you'll discover security best practices and even gain insights into designing applications with GCP services and monitoring your infrastructure as a GCP architect. By the end of this book, you will be well versed in all the topics required to pass Google's Professional Cloud Architect exam and use GCP services effectively. What you will learnManage your GCP infrastructure with Google Cloud management options such as CloudShell and SDKUnderstand the use cases for different storage optionsDesign a solution with security and compliance in mindMonitor GCP compute optionsDiscover machine learning and the different machine learning models offered by GCPUnderstand what services need to be used when planning and designing your architectureWho this book is for If you are a cloud architect, cloud engineer, administrator, or any IT professional who wants to learn how to implement Google Cloud services in your organization and become a GCP Certified Professional Cloud Architect, this book is for you. Basic knowledge of server infrastructure, including Linux and Windows Servers, is assumed. Knowledge of network and storage will also be helpful.

Universal Design 2016: Learning from the Past, Designing for the Future

Proceedings of the 3rd International Conference on Universal Design (UD 2016), York, United Kingdom, August 21 – 24, 2016

IOS Press Universal Design is the term used to describe the design of products and environments which can be used by all people, to the greatest extent possible, without the need for adaptation or specialized design. It is not a euphemism for 'designs for people with a disability', but really is about designing to include all people, regardless of their age, ability, cultural background or status in life. However it remains the case that many designers and developers fail to understand the need for universal design and lack the skills needed to implement it. This book presents papers from the 3rd International Conference on Universal Design (UD 2016), held in York, UK, in August 2016. The theme of the conference was: learning from the past, designing for the future, and it aimed to bring together policymakers, practitioners and researchers interested in the different strands of universal design to exchange ideas and best practice, review some of the developments in universal design from the last 20 years, and formulate strategies for taking the concept of universal design forward into the future. The book is divided into two sections. Section 1: About Universal Design, and Section 2: Universal Design In Practice. The book will be of interest to all those whose work involves design, from the built environment and tangible products to communication, services and systems.

Computerworld

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Timber Home Living

Timber Home Living introduces and showcases the beauty and efficiency of timber homes to an eager custom home buying audience. The magazine's inspiring photography, informative editorial, quality advertising and essential resources involves and encourages readers to pursue their dream home.

Network World

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

J2EE AntiPatterns

John Wiley & Sons "The flip-side of Patterns, AntiPatterns provide developers with formal descriptions of common development gaffes that can derail a project along with practical guidelines on how to avoid them. In this book, the authors present dozens of Java AntiPatterns that tackle many of Java's biggest trouble spots for programming with EJB, JSP, Servlets, and more. Each AntiPattern is documented with real-world examples, code, and refactored (or escape-route) solutions, and the book uses UML (where appropriate) to diagram improved solutions. All code examples from the book are available to the reader on the book's companion Web site."

Advanced Information Systems Engineering

31st International Conference, CAiSE 2019, Rome, Italy, June 3–7, 2019, Proceedings

Springer This book constitutes the refereed proceedings of the 31st International Conference on Advanced Information Systems Engineering, CAiSE 2019, held in Rome, Italy, in June 2019. The 41 full papers presented in this volume were carefully reviewed and selected from 206 submissions. The book also contains one invited talk in full paper length. The papers were organized in topical sections named: information system engineering; requirements and modeling; data modeling and analysis; business process modeling and engineering; information system security; and learning and mining in information systems. Abstracts on the CAiSE 2019 tutorials can be found in the back matter of the volume.

Construction Index

Proceedings