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Amazon S3 Programming Guide Samsung Gear S3 Classic and Frontier: An Easy Guide to Best Features Amazon Web Services for Mobile Developers Serverless Single Page Apps Beginning Mobile Application Development in the Cloud API Gateway, Cognito and Java Lambdas Programming JavaScript Applications AWS Certified Solutions Architect - Associate Exam Guide AngularJS Web Application Development Blueprints AWS Solutions Architect Exam Practice Questions and dumps with explanations Exam SAA-C01 AWS All-in-one Security Guide The Official Overstreet Comic Book Companion Proceedings of Third International Conference on Sustainable Expert Systems Professional Heroku Programming Latest AWS Amazon Certified Solutions Architect - Professional SAP-C01 Exam Questions and Answers Learn Python by Building Data Science Applications The Southeastern Reporter Building Applications in the Cloud Software Architectures, Components, and Applications Intramembrane-Cleaving Proteases (I-CLiPs) Mastering AWS CloudFormation Securing DevOps Special Bulletin International Perspectives on English Language Teacher Education Hands-On Serverless Computing Facebook Cookbook Criminal Litigation Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing Flask Framework Cookbook Chase's Pocket Code Samsung Galaxy S Application Sketch Book Building Scalable Apps with Redis and Node.js AWS Automation Cookbook App and Website Accessibility Developments and Compliance Strategies Database and Expert Systems Applications Enterprise Information Systems Developing on AWS with C# Performance Analysis of Real-Time Embedded Software Beginning Amazon Web Services with Node.js Large Scale and Big Data

AWS Solutions Architect Exam Practice Questions and dumps with explanations Exam SAA-C01 Jul 21 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 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.

App and Website Accessibility Developments and Compliance Strategies Jun 27 2020 In the present digital world, the growing number of internet users has made web quality an important factor for accessing online services and increasing the customer base of an organization. The advances in information technology and the internet have opened new dimensions in many different industries. Currently, accessibility research is an active area of research. Specifically, access for everyone regardless of disability has become an essential aspect of web development. As webpages will be used by both nondisabled and disabled individuals, web pages must be designed with a technical criterion that fits universal needs. The ambition to make websites barrier-free is not limited to standards and laws but has been on the agendas of all governments and public agencies recently, and this universality of websites is a fundamental area of research. App and Website Accessibility Developments and Compliance Strategies intends to provide theoretical and practical contributions for the accessibility of websites for both disabled and nondisabled individuals. This book discusses how web quality parameters like usability and accessibility are being evaluated for their universal design and accessibility by different types of disabled individuals. The chapters cover the current methodologies for evaluation, accessible design criteria, inclusive practices in web and app development, and policies and interventions across different types of websites. This book is ideally intended for web developers, designers, software engineers, IT specialists, social organizations, governments, practitioners, researchers, academicians, and students in the usability and accessibility of websites for disabled individuals.

Flask Framework Cookbook Dec 02 2020 Build state-of-the-art web

applications quickly and efficiently using Flask and related technologies with Python 3 Key Features Updated to Flask 1.0.3 and Python 3.7 with coverage of Microservices Get the most out of the powerful Flask framework and maintain the flexibility of your design choices Write cleaner and maintainable code with the help of sample apps Book Description Flask, the lightweight Python web framework, is popular due to its powerful modular design that lets you build scalable web apps. With this recipe-based guide, you'll explore modern solutions and best practices for Flask web development. Updated to the latest version of Flask and Python 3, this second edition of Flask Framework Cookbook moves away from some of the old and obsolete libraries and introduces recipes on bleeding edge technologies. You'll discover different ways of using Flask to create, deploy, and manage microservices. This Flask Python book starts by covering the different configurations that a Flask application can make use of, and then helps you work with templates and learn about the ORM and view layers. You'll also be able to write an admin interface and get to grips with debugging and logging errors. Finally, you'll grasp a variety of deployment and post-deployment techniques for platforms such as Apache, Tornado, and Heroku. By the end of this book, you'll have gained all the knowledge you need to write Flask applications in the best possible way and scale them using standard industry practices. What you will learn Explore web application development in Flask, right from installation to post-deployment stages Make use of advanced templating and data modeling techniques Discover effective debugging, logging, and error handling techniques in Flask Integrate Flask with different technologies such as Redis, Sentry, and MongoDB Deploy and package Flask applications with Docker and Kubernetes Design scalable microservice architecture using AWS Lambda Continuous integration and Continuous deployment Who this book is for If you are a web developer who wants to learn more about developing scalable and production-ready applications in Flask, this is the book for you. You'll also find this book useful if you are already aware of Flask's major extensions and want to use them for better application development. Basic Python programming experience along with basic understanding of Flask is assumed.

Criminal Litigation Feb 04 2021 This title offers a comprehensive and practical guide to criminal litigation. It weaves together theory and practice, making use of case studies to assist students and illustrate how to put their understanding in a practical context.

Samsung Galaxy S Application Sketch Book Sep 30 2020 Think you have the next great Android app idea? The Galaxy S App Sketch Book is an essential tool for any aspiring Android developer. This sketch book makes it easy to centralize and organize your ideas, featuring enlarged Galaxy S smartphone templates to write on. Professionally printed on high-quality paper, it has a total of 150 gridded templates for you to draft ideas and doodle designs while providing ample room to make notes and document the app name and screen name. Its lay-flat binding makes it flexible and ideal for various uses. This book is an invaluable tool for bringing your next great Android app idea to life!

Database and Expert Systems Applications May 27 2020 This two volume set LNCS 10438 and LNCS 10439 constitutes the refereed proceedings of the 28th International Conference on Database and Expert Systems Applications, DEXA 2017, held in Lyon, France, August 2017. The 37 revised full papers presented together with 40 short papers were carefully reviewed and selected from 166 submissions. The papers discuss a range of topics including: Semantic Web and Semantics; Graph Matching; Data Modeling, Data Abstraction, and Uncertainty; Preferences and Query Optimization; Data Integration and RDF Matching; Security and Privacy; Web Search; Data Clustering; Top-K and Skyline Queries; Data Mining and Big Data; Service Computing; Continuous and Temporal Data, and Continuous Query Language; Text Processing and Semantic Search; Indexing and Concurrency Control Methods; Data Warehouse and Data Stream Warehouse; Data Mining and Machine Learning; Recommender Systems and Query Recommendation; Graph Algorithms; Semantic Clustering and Data Classification.

Professional Heroku Programming Mar 17 2022 A complete guide to building and deploying web apps with Heroku A cloud application platform, Heroku is currently the only approved platform for creating apps within Facebook, and its number of users is growing at rapid pace.

However, there are very few books on the market that offer professional-level coverage of this platform, until now. The author duo begins with an introduction to the Heroku platform and its associated core concepts and then goes on to explain how writing for this platform differs from that of traditional development systems. Example applications, additional resources, and advice for your next steps round out this resource, making it a thorough, indispensable guide. Features information not found anywhere else, as both authors work for Heroku. Explains the inner workings of Heroku with special emphasis placed on building web and mobile applications. Introduces GIT-based development workflow and the process model within the Heroku platform. Details coding, building, deploying, and scaling effectively using the Heroku tool base. Providing you with fully functional code and downloadable code examples. Professional Heroku Programming is your complete guide to mastering this platform.

Intramembrane-Cleaving Proteases (I-CLiPs) Sep 11 2021 Authors Nigel M. Hooper and Otto von Guericke, world leaders in protease research, have written the first book that focuses on recent data stemming from the structural determination of intramembrane-cleaving proteases (I-CLiPs). You get the latest findings concerning the various roles that these proteases play in biology and in the course of diseases such as Alzheimer's and viral infection.

AWS Automation Cookbook Jul 29 2020 Automate release processes, deployment, and continuous integration of your application as well as infrastructure automation with the powerful services offered by AWS. About This Book Accelerate your infrastructure's productivity by implementing a continuous delivery pipeline within your environment. Leverage AWS services and Jenkins 2.0 to perform complete application deployments on Linux servers. This recipe-based guide that will help you minimize application deployment downtime. Who This Book Is For This book is for developers and system administrators who are responsible for hosting their application and managing instances in AWS. It's also ideal for DevOps engineers looking to provide continuous integration, deployment, and delivery. A basic understanding of AWS, Jenkins, and some scripting knowledge is needed. What You Will Learn Build a sample Maven and NodeJS Application using CodeBuild. Deploy the application in EC2/Auto Scaling and see how CodePipeline helps you integrate AWS services. Build a highly scalable and fault tolerant CI/CD pipeline. Achieve the CI/CD of a microservice architecture application in AWS ECS using CodePipeline, CodeBuild, ECR, and CloudFormation. Automate the provisioning of your infrastructure using CloudFormation and Ansible. Automate daily tasks and audit compliance using AWS Lambda. Deploy microservices applications on Kubernetes using Jenkins Pipeline 2.0. In Detail AWS CodeDeploy, AWS CodeBuild, and CodePipeline are scalable services offered by AWS that automate an application's build and deployment pipeline. In order to deliver tremendous speed and agility, every organization is moving toward automating an entire application pipeline. This book will cover all the AWS services required to automate your deployment to your instances. You'll begin by setting up and using one of the AWS services for automation - CodeCommit. Next, you'll learn how to build a sample Maven and NodeJS Application using CodeBuild. After you've built the application, you'll see how to use CodeDeploy to deploy the application in EC2/AutoScaling. You'll also build a highly scalable and fault tolerant continuous integration (CI)/continuous deployment (CD) pipeline using some easy-to-follow recipes. Following this, you'll achieve CI/CD for Microservices application and reduce the risk within your software development lifecycle. You'll also learn to set up an infrastructure using CloudFormation Template and Ansible, and see how to automate AWS resources using AWS Lambda. Finally, you'll learn to automate instances in AWS and automate the deployment lifecycle of applications. By the end of this book, you'll be able to minimize application downtime and implement CI/CD, gaining total control over your software development lifecycle. Style and approach This book takes a "How to do it" approach, providing with easy solutions to automate common maintenance and deployment tasks.

Building Applications in the Cloud Nov 13 2021 Following the familiar "Design Patterns" format, expert cloud developer Chris Moyer introduces proven patterns for cloud platforms from Amazon, Google, and other providers. Moyer demonstrates these patterns at work through extensive example code and case study applications for Amazon Web Services (AWS). As you increasingly move to the cloud, you'll constantly encounter the challenges this book solves. You'll rely on it for years- whenever you need a cloud solution you can trust.

The Southeastern Reporter Dec 14 2021

Special Bulletin Jun 08 2021

Beginning Mobile Application Development in the Cloud Dec 26 2022 Learn how to build apps for mobile devices on Cloud platforms. The marketplace for apps is ever expanding, increasing the potential to make money. With this guide, you'll learn how to build cross-platform applications for mobile devices that are supported by the power of Cloud-based services such as Amazon Web Services. An introduction to Cloud-based applications explains how to use HTML5 to create cross-platform mobile apps and then use Cloud services to enhance those apps. You'll learn how to build your first app with HTML5 and set it up in the Cloud, while also discovering how to use jQuery to your advantage. Highlights the skills and knowledge you need to create successful apps for mobile devices with HTML5. Takes you through the steps for building web applications for the iPhone and Android. Details how to enhance your app through faster launching, touch vs. click, storage capabilities, and a cache. Looks at how best to use JSON, FourSquare, jQuery, AJAX, and more. Shares tips for creating hybrid apps that run natively. If you're interested in having your application be one of the 200,000+ apps featured in the iPhone store or the 50,000+ in the Android store, then you need this book.

Chase's Pocket Code Nov 01 2020

Proceedings of Third International Conference on Sustainable Expert Systems Apr 18 2022 This book features high-quality research papers presented at the 3rd International Conference on Sustainable Expert Systems (ICSES 2022), held in Nepal during September 9-10, 2022. The book focuses on the research information related to artificial intelligence, sustainability and expert systems applied in almost all the areas of industries, government sectors and educational institutions worldwide. The main thrust of the book is to publish the conference papers that deal with the design, implementation, development, testing and management of intelligent and sustainable expert systems and also to provide both theoretical and practical guidelines for the deployment of these systems.

Hands-On Serverless Computing Apr 06 2021 Deploy functions efficiently using different cloud-based serverless offerings. Key Features Understand the concept of Function-as-a-Service. Implement Serverless solutions using AWS Lambda, Azure Functions and Google Cloud Functions. Practical approach towards choosing the best tool for your serverless environment. Book Description Serverless applications and architectures are gaining momentum and are increasingly being used by companies of all sizes. Serverless software takes care of many problems that developers face when running systems and servers, such as fault tolerance, centralized logging, horizontal scalability, and deployments. You will learn how to harness serverless technology to rapidly reduce production time and minimize your costs, while still having the freedom to customize your code, without hindering functionality. Upon finishing the book, you will have the knowledge and resources to build your own serverless application hosted in AWS, Microsoft Azure, or Google Cloud Platform, and will have experienced the benefits of event-driven technology for yourself. This hands-on guide dives into the basis of serverless architectures and how to build them using Node.js as a programming language, Visual Studio Code for code editing, and Postman for quickly and securely developing applications without the hassle of configuring and maintaining infrastructure on three public cloud platforms. What you will learn Understand the benefits of serverless computing and know when to use it. Develop serverless applications on AWS, Azure, and Google Cloud. Get to grips with Function as a Service (FaaS). Apply triggers to serverless functions. Build event-driven apps using serverless frameworks. Use the Node.js programming language to build serverless apps. Use code editors, such as Visual Studio Code, as development environments. Master the best development practices for creating scalable and practical solutions. Who this book is for This book is targeted towards developers, system administrators or any stakeholder working in the Serverless environment and want to understand how functions work. Basic idea of serverless architecture can be an added advantage.

Amazon Web Services for Mobile Developers Feb 28 2023 A practical, real-world introduction to AWS tools and concepts. Amazon Web Services for Mobile Developers: Building Apps with AWS presents a professional view of cloud computing and AWS for experienced iOS/Android developers and technical/solution architects. Cloud computing is a rapidly expanding ecosystem, and working professionals need a practical resource to bring them up-to-date on tools that are rapidly becoming indispensable; this book helps expand your skill set by introducing you to AWS offerings that can make your job easier, with a focus on real-world application. Author and mobile applications

developer Abhishek Mishra shows you how to create IAM accounts and try out some of the most popular services, including EC2, Lambda, Mobile Analytics, Device Farm, and more. You'll build a chat application in both Swift (iOS) and Java (Android), running completely off AWS Infrastructure to explore SDK installation, Xcode, Cognito authentication, DynamoDB, Amazon SNS Notifications, and other useful tools. By actually using the tools as you learn about them, you develop a more intuitive understanding that feels less like a shift and more like a streamlined integration. If you have prior experience with Swift or Java and a solid knowledge of web services, this book can help you quickly take your skills to the next level with a practical approach to learning that translates easily into real-world use. Understand the key concepts of AWS as applied to both iOS and Android developers Explore major AWS offerings for mobile developers, including DynamoDB, RDS, EC2, SNS, Cognito, and more Learn what people are talking about when they use buzzwords like PaaS, IaaS, SaaS, and APaaS Work through explanations by building apps that tie into the AWS ecosystem Any job is easier with the right tools, and Amazon Web Services for Mobile Developers: Building Apps with AWS gets you acquainted with an ever-expanding toolkit for mobile app development.

International Perspectives on English Language Teacher

Education May 07 2021 The chapters in this volume outline and discuss examples of teacher educators in diverse global contexts who have provided successful self-initiated innovations for their teacher learners. The collection suggests that a way forward for second language teacher preparation programs is through 'reflective practice as innovation'.

AWS Certified Solutions Architect - Associate Exam Guide Sep 23 2022

This book is a comprehensive exam guide to help prepare for AWS Certified Solutions Architect -- Associate exam. The book has extensive diagrams to help understand topics much easier way. The book is divided into different sections to logically group related chapters in one section. It has the following sections: AWS Fundamentals (What is AWS, AWS Account, AWS Free Tier, AWS Cost & Billing Management, AWS Global Cloud Infrastructure (part I)), IAM, EC2) AWS Advanced (EC2 Advanced, ELB, Advanced S3, Route 53, AWS Global Cloud Infrastructure (part II), Advanced Storage on AWS, AWS Monitoring, Audit, and Performance), AWS RDS and Databases (AWS RDS and Cache, AWS Databases) Serverless (Serverless Computing, AWS Integration, and Messaging) Container & CI/CD (Container, AWS CI/CD services) Data & Analytics (Data & Analytics) Machine Learning (AWS ML/AI Services) Security (AWS Security & Encryption, AWS Shared Responsibility Model, How to get Support on AWS, Advanced Identity) Networking (AWS Networking) Disaster Management (Backup, Recovery & Migrations) Solutions Architecture (Cloud Architecture Key Design Principles, AWS Well-Architected Framework, Classic Solutions Architecture, Serverless Solutions Architecture, Solutions Architecture Miscellaneous) Practice Tests Includes 325 Practice Exam Questions with Answers The book Includes AWS services/features such as IAM, S3, EC2, EC2 purchasing options, EC2 placement groups, Load Balancers, Auto Scaling, S3 Glacier, S3 Storage classes, Route 53 Routing policies, CloudFront, Global Accelerator, EFS, EBS, Instance Store, AWS Snow Family, AWS Storage Gateway, AWS Transfer Family, Amazon CloudWatch, EventBridge, CloudWatch Insights, AWS CloudTrail, AWS Config, Amazon RDS, Amazon Aurora, Amazon ElastiCache, Amazon DocumentDB, Amazon Keyspaces, Amazon Quantum Ledger Database, Amazon Timestream, Amazon Managed Blockchain, AWS Lambda, Amazon DynamoDB, Amazon API Gateway, SQS, SNS, SES, Amazon Kinesis, Amazon Kinesis Firehose, Amazon Kinesis Data Analytics, Amazon Kinesis Data Streams, Amazon Kinesis ECS, Amazon Kinesis ECR, Amazon EKS, AWS CloudFormation, AWS Elastic Beanstalk, AWS CodeBuild, AWS OpsWorks, AWS CodeGuru, AWS CodeCommit, Amazon Athena, Amazon Redshift, Amazon EMR, Amazon QuickSight, AWS Glue, AWS Lake Formation, Amazon MSK, Amazon Rekognition, Amazon Transcribe, Amazon Polly, Amazon Translate, Amazon Lex, Amazon Connect, Amazon Comprehend, Amazon Comprehend Medical, Amazon SageMaker, Amazon Forecast, Amazon Kendra, Amazon Personalize, Amazon Textract, Amazon Fraud Detector, Amazon Sumerian, AWS WAF, AWS Shield Standard, AWS Shield Advanced, AWS Firewall Manager, AWS GuardDuty, Amazon Inspector, Amazon Macie, Amazon Detective, SSM Session Manager, AWS Systems Manager, S3 Replication & Encryption, AWS Organization, AWS Control Tower, AWS SSO, Amazon Cognito, AWS VPC, NAT Gateway, VPC Endpoints, VPC Peering, AWS Transit Gateway, AWS Site-to-Site VPC, Database Management Service (DMS), and many others. In the last section (Practice Tests), there are five practice test sets with answers containing 65 exam-like questions.

These questions will help you apply your learning to better prepare for the exam.

Serverless Single Page Apps Jan 27 2023 Don't waste your time building an application server. See how to build low-cost, low-maintenance, highly available, serverless single page web applications that scale into the millions of users at the click of a button. Quickly build reliable, well-tested single page apps that stay up and running 24/7 using Amazon Web Services. Avoid messing around with middle-tier infrastructure and get right to the web app your customers want. You don't need to manage your own servers to build powerful web applications. This book will show you how to create a single page app that runs entirely on web services, scales to millions of users, and costs less per day than a cup of coffee. Using a web browser, a prepared workspace, and your favorite editor, you'll build a complete single page web application, step by step. Learn the fundamental technologies behind modern single page apps, and use web standards to create lean web applications that can take advantage of the newest technologies. Deploy your application quickly using Amazon S3. Use Amazon Cognito to connect with providers like Google and Facebook to manage user identities. Read and write user data directly from the browser using DynamoDB, and build your own scalable custom microservices with Amazon Lambda. Whether you've never built a web application before or you're a seasoned web developer who's just looking for an alternative to complex server-side web frameworks, this book describes a simple approach to building serverless web applications that you can easily apply or adapt for your own projects. What You Need: To follow the tutorial in this book, you'll need a computer with a web browser. You'll also need a text editor and a git client. Building this web application will require some sort of development web server. You can use your own, or you can also use the one included with the tutorial's prepared workspace. The included web server requires Ruby 2.0, although we also suggest few alternatives. To get started quickly, you need a basic understanding of HTML, CSS, and JavaScript. If you're new to these topics, you can get up to speed using links we'll provide in the Introduction.

Samsung Gear S3 Classic and Frontier: An Easy Guide to Best Features Mar 29 2023

The Samsung gear s3 classic and frontier are new and upcoming smart watches that are circular Tizen based watches that are developed by Samsung Electronics. It was officially announced in August 2016 with all the relevant specifications. The Samsung Gear S3 Classic will have Bluetooth technology while the Samsung Gear S3 frontier will have LTE technology as an additional feature. They both use the Tizen based Wearable Platform 2.3.2 for their operating system. The Gear S3 Class has dimensions of 46 x 49 x 12.9 and weighs 57g while the Gear S3 frontier has the same dimensions but has a heavier weight at 62g. This book will explore the various features of both of these amazing smartwatches.

Securing DevOps Jul 09 2021 Summary Securing DevOps explores how the techniques of DevOps and security should be applied together to make cloud services safer. This introductory book reviews the latest practices used in securing web applications and their infrastructure and teaches you techniques to integrate security directly into your product. You'll also learn the core concepts of DevOps, such as continuous integration, continuous delivery, and infrastructure as a service. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology An application running in the cloud can benefit from incredible efficiencies, but they come with unique security threats too. A DevOps team's highest priority is understanding those risks and hardening the system against them. About the Book Securing DevOps teaches you the essential techniques to secure your cloud services. Using compelling case studies, it shows you how to build security into automated testing, continuous delivery, and other core DevOps processes. This experience-rich book is filled with mission-critical strategies to protect web applications against attacks, deter fraud attempts, and make your services safer when operating at scale. You'll also learn to identify, assess, and secure the unique vulnerabilities posed by cloud deployments and automation tools commonly used in modern infrastructures. What's inside An approach to continuous security Implementing test-driven security in DevOps Security techniques for cloud services Watching for fraud and responding to incidents Security testing and risk assessment About the Reader Readers should be comfortable with Linux and standard DevOps practices like CI, CD, and unit testing. About the Author Julien Vehent is a security architect and DevOps advocate. He leads the Firefox Operations Security team at Mozilla, and is responsible for the security

of Firefox's high-traffic cloud services and public websites. Table of Contents Securing DevOps PART 1 - Case study: applying layers of security to a simple DevOps pipeline Building a barebones DevOps pipeline Security layer 1: protecting web applications Security layer 2: protecting cloud infrastructures Security layer 3: securing communications Security layer 4: securing the delivery pipeline PART 2 - Watching for anomalies and protecting services against attacks Collecting and storing logs Analyzing logs for fraud and attacks Detecting intrusions The Caribbean breach: a case study in incident response PART 3 - Maturing DevOps security Assessing risks Testing security Continuous security

Mastering AWS CloudFormation Aug 10 2021 Build scalable and production-ready infrastructure in Amazon Web Services with CloudFormation Key Features Leverage AWS CloudFormation templates to manage your entire infrastructure Get up and running with writing your infrastructure as code and automating your environment Simplify infrastructure management and increase productivity with AWS CloudFormation Book Description DevOps and the cloud revolution have forced software engineers and operations teams to rethink how to manage infrastructures. With this AWS book, you'll understand how you can use Infrastructure as Code (IaC) to simplify IT operations and manage the modern cloud infrastructure effectively with AWS CloudFormation. This comprehensive guide will help you explore AWS CloudFormation from template structures through to developing complex and reusable infrastructure stacks. You'll then delve into validating templates, deploying stacks, and handling deployment failures. The book will also show you how to leverage AWS CodeBuild and CodePipeline to automate resource delivery and apply continuous integration and continuous delivery (CI/CD) practices to the stack. As you advance, you'll learn how to generate templates on the fly using macros and create resources outside AWS with custom resources. Finally, you'll improve the way you manage the modern cloud in AWS by extending CloudFormation using AWS serverless application model (SAM) and AWS cloud development kit (CDK). By the end of this book, you'll have mastered all the major AWS CloudFormation concepts and be able to simplify infrastructure management. What you will learn Understand modern approaches to IaC Develop universal and reusable CloudFormation templates Discover ways to apply continuous delivery with CloudFormation Implement IaC best practices for the AWS Cloud Provision massive applications across multiple regions and accounts Automate template generation and software provisioning for AWS Extend CloudFormation with custom resources and template macros Who this book is for If you are a developer who wants to learn how to write templates, a DevOps engineer interested in deployment and orchestration, or a solutions architect looking to understand the benefits of managing infrastructure with ease, this book is for you. Prior understanding of the AWS Cloud is necessary.

Programming JavaScript Applications Oct 24 2022 Take advantage of JavaScript's power to build robust web-scale or enterprise applications that are easy to extend and maintain. By applying the design patterns outlined in this practical book, experienced JavaScript developers will learn how to write flexible and resilient code that's easier—yes, easier—to work with as your code base grows. JavaScript may be the most essential web programming language, but in the real world, JavaScript applications often break when you make changes. With this book, author Eric Elliott shows you how to add client- and server-side features to a large JavaScript application without negatively affecting the rest of your code. Examine the anatomy of a large-scale JavaScript application Build modern web apps with the capabilities of desktop applications Learn best practices for code organization, modularity, and reuse Separate your application into different layers of responsibility Build efficient, self-describing hypermedia APIs with Node.js Test, integrate, and deploy software updates in rapid cycles Control resource access with user authentication and authorization Expand your application's reach through internationalization

AngularJS Web Application Development Blueprints Aug 22 2022 If you are a web application developer interested in using AngularJS for a real-life project, then this book is for you. As a prerequisite, knowledge of JavaScript and HTML is expected, and a working knowledge of AngularJS is preferred.

Latest AWS Amazon Certified Solutions Architect - Professional SAP-C01 Exam Questions and Answers Feb 16 2022 Exam Name : AWS Amazon Certified Solutions Architect - Professional Exam Code : SAP-C01 Edition : Latest Verison (100% valid and stable) Number of Questions : 708 Questions with Answer

Software Architectures, Components, and Applications Oct 12 2021 Researchers and professionals will find in this text the thoroughly refereed post-proceedings of the Third International Conference on the Quality of Software Architectures, QoSA 2007, held in Medford, MA, USA, in 2007. It was mounted in conjunction with the 10th International ACM SIGSOFT Symposium on Component-Based Software Engineering, CBSE 2007. The 13 revised full papers presented together with one keynote lecture were carefully reviewed and selected from 42 submissions.

Enterprise Information Systems Apr 25 2020 This book constitutes extended and revised papers from the 19th International Conference on Enterprise Information Systems, ICEIS 2017, held in Porto, Portugal, in April 2017. The 28 papers presented in this volume were carefully reviewed and selected for inclusion in this book from a total of 318 submissions. They were organized in topical sections named: databases and information systems integration; artificial intelligence and decision support systems; information systems analysis and specification; software agents and internet computing; human-computer interaction; and enterprise architecture.

Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing Jan 03 2021 Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the underpinning technologies are experienced by a wide range of people and their smart devices. With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated distributed systems and solutions to integration and efficient management challenges faced by current and future distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.

Beginning Amazon Web Services with Node.js Jan 23 2020 Beginning Amazon Web Services with Node.js teaches any novice Node.js developer to configure, deploy, and maintain scalable small to large scale Node.js applications in Amazon Web Services. Hosting a Node.js application in a production environment usually means turning to PaaS hosting, but this approach brings problems. Deploying Node.js directly to AWS solves the problems you encounter in these situations, enabling you to cut out the middle man. You will begin with a basic RESTful web service in Node.js, using the popular Express.js framework, pre-built and ready to run in your local environment. You will be introduced to the most powerful tools in AWS, and learn how to configure your project to take advantage of them. You will be guided through the steps of getting the various key components to work together on AWS. Through code samples using the AWS JavaScript SDK and tutorials in the AWS console, you will gain the knowledge to incorporate secure user authentication, server auto-scaling, a load balancer, CDN, customized caching behavior, and outage monitoring. Node.js is single-threaded, and designed to run high input / high output applications, making it ideal for the cloud environment. If your main task is handling a high volume of requests over HTTP / the web, it will scale very well in proportion to the computing power you allocate to it. Amazon Web Services offers a broad set of services that help organizations move faster, lower costs, and scale applications. Trusted by the largest enterprises and start-ups alike, AWS powers a wide variety of workloads across a broad spectrum. If leveraged properly, you can build a Node.js app on AWS which can automatically power itself up to handle a massive volume of traffic, and then scale back down to a lighter configuration when user demand has dropped. Amazon Web Services offers a broad set of services that help organizations move faster, lower costs, and scale applications. Get started with Node.js and AWS using this book today.

Learn Python by Building Data Science Applications Jan 15 2022 Understand the constructs of the Python programming language and use them to build data science projects Key Features Learn the basics of developing applications with Python and deploy your first data application Take your first steps in Python programming by understanding and using data structures, variables, and loops Delve into Jupyter, NumPy, Pandas, SciPy, and sklearn to explore the data science

ecosystem in Python Book Description Python is the most widely used programming language for building data science applications. Complete with step-by-step instructions, this book contains easy-to-follow tutorials to help you learn Python and develop real-world data science projects. The “secret sauce” of the book is its curated list of topics and solutions, put together using a range of real-world projects, covering initial data collection, data analysis, and production. This Python book starts by taking you through the basics of programming, right from variables and data types to classes and functions. You’ll learn how to write idiomatic code and test and debug it, and discover how you can create packages or use the range of built-in ones. You’ll also be introduced to the extensive ecosystem of Python data science packages, including NumPy, Pandas, scikit-learn, Altair, and Datashader. Furthermore, you’ll be able to perform data analysis, train models, and interpret and communicate the results. Finally, you’ll get to grips with structuring and scheduling scripts using Luigi and sharing your machine learning models with the world as a microservice. By the end of the book, you’ll have learned not only how to implement Python in data science projects, but also how to maintain and design them to meet high programming standards. What you will learn Code in Python using Jupyter and VS Code Explore the basics of coding – loops, variables, functions, and classes Deploy continuous integration with Git, Bash, and DVC Get to grips with Pandas, NumPy, and scikit-learn Perform data visualization with Matplotlib, Altair, and Datashader Create a package out of your code using poetry and test it with PyTest Make your machine learning model accessible to anyone with the web API Who this book is for If you want to learn Python or data science in a fun and engaging way, this book is for you. You’ll also find this book useful if you’re a high school student, researcher, analyst, or anyone with little or no coding experience with an interest in the subject and courage to learn, fail, and learn from failing. A basic understanding of how computers work will be useful.

Large Scale and Big Data Dec 22 2019 Large Scale and Big Data: Processing and Management provides readers with a central source of reference on the data management techniques currently available for large-scale data processing. Presenting chapters written by leading researchers, academics, and practitioners, it addresses the fundamental challenges associated with Big Data processing tools and techniques across a range of computing environments. The book begins by discussing the basic concepts and tools of large-scale Big Data processing and cloud computing. It also provides an overview of different programming models and cloud-based deployment models. The book’s second section examines the usage of advanced Big Data processing techniques in different domains, including semantic web, graph processing, and stream processing. The third section discusses advanced topics of Big Data processing such as consistency management, privacy, and security. Supplying a comprehensive summary from both the research and applied perspectives, the book covers recent research discoveries and applications, making it an ideal reference for a wide range of audiences, including researchers and academics working on databases, data mining, and web scale data processing. After reading this book, you will gain a fundamental understanding of how to use Big Data-processing tools and techniques effectively across application domains. Coverage includes cloud data management architectures, big data analytics visualization, data management, analytics for vast amounts of unstructured data, clustering, classification, link analysis of big data, scalable data mining, and machine learning techniques.

Facebook Cookbook Mar 05 2021 Want to build Facebook applications that truly stand out among the thousands already available? In addition to providing easy-to-follow recipes that offer practical ways to design and build scalable applications using the Facebook Platform and its new profile design, this Cookbook also explains proven strategies for attracting users in this highly competitive environment. With plenty of examples and practical solutions, Facebook Cookbook answers some of the hardest questions Facebook application developers contend with -- including how and where to get started. This Cookbook will help you: Learn to build an application that scales to accommodate a sudden influx of users Explore changes from Facebook’s old profile design to the new look and feel Take advantage of new integration points in the new profile design Get tips for designing applications with hosting and deployment costs in mind Discover which widgets and controls to use for building the most attractive user interface design Learn the differences between standard HTML, JavaScript, and SQL, and the versions used on the Facebook Platform Target large, defined groups on Facebook, including those who want to find jobs, hire employees, market a business, advertise, and more If you can build simple web applications with HTML,

Facebook Cookbook will help you build applications with the potential to reach millions of users around the globe. Learn what it takes to design applications that stand above the rest.

Performance Analysis of Real-Time Embedded Software Feb 22 2020 Embedded systems are characterized by the presence of processors running application-specific software. Recent years have seen a large growth of such systems, and this trend is projected to continue with the growth of systems on a chip. Many of these systems have strict performance and cost requirements. To design these systems, sophisticated timing analysis tools are needed to accurately determine the extreme case (best case and worst case) performance of the software components. Existing techniques for this analysis have one or more of the following limitations: they cannot model complicated programs they cannot model advanced micro-architectural features of the processor, such as cache memories and pipelines they cannot be easily retargeted for new hardware platforms. In Performance Analysis of Real-Time Embedded Software, a new timing analysis technique is presented to overcome the above limitations. The technique determines the bounds on the extreme case (best case and worst case) execution time of a program when running on a given hardware system. It partitions the problem into two sub-problems: program path analysis and microarchitecture modeling. Performance Analysis of Real-Time Embedded Software will be of interest to Design Automation professionals as well as designers of circuits and systems.

The Official Overstreet Comic Book Companion May 19 2022 Describes and lists the values of popular collectible comics and graphic novels issued from the 1950s to today, providing tips on buying, collecting, selling, grading, and caring for comics and including a section on related toys and rings.

Amazon S3 Programming Guide Apr 30 2023 This book is a guide for you on how to program the Amazon Simple Storage Service (S3). Most people and companies have turned to using the Amazon S3 for the purpose of storing files. The first part of the book guides you on how to upload your files to the Amazon S3. In this chapter, you will use the Play 2 for creation of a Java app. This app will help you to upload your files to the Amazon S3, making your work much easier. You will learn how to use the AWS Library as well as the Play 2 S3 library. The Node.js can be used for the purpose of performing direct uploads of files to the Amazon S3. In most apps, this is done by use of a web app so that the files can be uploaded to the web server. In this book, you are guided on how to use Node.js to create an app which directly uploads the files to the S3 server, and you will not be expected to create or use a web app. This mechanism employs the use of Cross-Origin Resource Sharing (CORS). This book guides you on how to implement this. You will also be shown how to setup a private maven repository which you can use for your projects. You may also need to read the S3 files in a programmatic manner. This book guides you on how to do this. The following topics are discussed in this book: - Uploading Files - Direct Uploads in S3 and Node.js - Private Maven Repository Setup - Working with the Object-Oriented Java Adapter in AWS S3 - Reading from S3 Files - Working with Nginx as the Proxy

AWS All-in-one Security Guide Jun 20 2022 Learn to build robust security controls for the infrastructure, data, and applications in the AWS Cloud. KEY FEATURES ● Takes a comprehensive layered security approach that covers major use-cases. ● Covers key AWS security features leveraging the CLI and Management Console. ● Step-by-step instructions for all topics with graphical illustrations. ● Relevant code samples written in JavaScript (for Node.js runtime). DESCRIPTION If you're looking for a comprehensive guide to Amazon Web Services (AWS) security, this book is for you. With the help of this book, cloud professionals and the security team will learn how to protect their cloud infrastructure components and applications from external and internal threats. The book uses a comprehensive layered security approach to look into the relevant AWS services in each layer and discusses how to use them. It begins with an overview of the cloud's shared responsibility model and how to effectively use the AWS Identity and Access Management (IAM) service to configure identities and access controls for various services and components. The subsequent chapter covers AWS infrastructure security, data security, and AWS application layer security. Finally, the concluding chapters introduce the various logging, monitoring, and auditing services available in AWS, and the book ends with a chapter on AWS security best practices. By the end, as readers, you will gain the knowledge and skills necessary to make informed decisions and put in place security controls to create AWS application ecosystems that are highly secure. WHAT YOU WILL LEARN ● Learn to

create a layered security architecture and employ defense in depth. ● Master AWS IAM and protect APIs. ● Use AWS WAF, AWS Secrets Manager, and AWS Systems Manager Parameter Store. ● Learn to secure data in Amazon S3, EBS, DynamoDB, and RDS using AWS Key Management Service. ● Secure Amazon VPC, filter IPs, use Amazon Inspector, use ECR image scans, etc. ● Protect cloud infrastructure from DDoS attacks and use AWS Shield. WHO THIS BOOK IS FOR The book is intended for cloud architects and security professionals interested in delving deeper into the AWS cloud's security ecosystem and determining the optimal way to leverage AWS security features. Working knowledge of AWS and its core services is necessary. TABLE OF CONTENTS 1. Introduction to Security in AWS 2. Identity And Access Management 3. Infrastructure Security 4. Data Security 5. Application Security 6. Logging, Monitoring, And Auditing 7. Security Best Practices

API Gateway, Cognito and Java Lambdas Nov 25 2022 This book describes the process of creating a Cognito user pool to manage our users, deploying a simple Java application to Lambda, integrating all these systems with API Gateway, and consuming the resulting endpoint from a simple JavaScript web application.

Building Scalable Apps with Redis and Node.js Aug 30 2020 If the phrase scalability sounds alien to you, then this is an ideal book for you. You will not need much Node.js experience as each framework is demonstrated in a way that requires no previous knowledge of the framework. You will be building scalable Node.js applications in no time! Knowledge of JavaScript is required.

Developing on AWS with C# Mar 25 2020 Many organizations today have begun to modernize their Windows workloads to take full advantage of cloud economics. If you're a C# developer at one of these companies, you need options for rehosting, replatforming, and refactoring your existing .NET Framework applications. This practical book guides you through the process of converting your monolithic application to microservices on AWS. Authors Noah Gift, founder of Pragmatic AI Labs, and James Charlesworth, engineering manager at Pendo, take you through the depth and breadth of .NET tools on AWS. You'll examine modernization techniques and pathways for incorporating Linux and Windows containers and serverless architecture to build, maintain, and scale modern .NET apps on AWS. With this book, you'll learn how to make your applications more modern, resilient, and cost-effective. Get started building solutions with C# on AWS Learn DevOps best practices for AWS Explore the development tools and services that AWS provides Successfully migrate a legacy .NET application to AWS Develop serverless .NET microservices on AWS Containerize your .NET applications and move into the cloud Monitor and test your AWS .NET applications Build cloud native solutions that combine the best of the .NET platform and AWS

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