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KEY=WEB - KELLEY JASLYN

AWS

THE ULTIMATE STEP-BY-STEP GUIDE FROM BEGINNERS TO ADVANCED FOR AMAZON WEB SERVICES

Discover the infinite world of Amazon Web Services (AWS) and become a master of cloud computing! Amazon Web Services is the world's most comprehensive and broadly adopted cloud platform. That is why millions of people, developing startups, corporations, and even government agencies use 175 features on an everyday basis. If AWS sounds like a must-have tool, you are right, but how about learning how to use this universal platform? Don't worry, we have figured it out for you with "AWS: The Ultimate Step-by-Step Guide from Beginners to Advanced for Amazon Web Services". This comprehensive volume can teach you everything from the basis of AWS to more advanced functions, so you can ace this cloud platform and get the security and innovation you deserve. Written by top experts in cloud computing and AWS, this easy-to-follow guide is great for getting a grasp at what Amazon Web Services can do for you, as well as how to master this new and improved cloud platform. What can you learn with this AWS handbook? You will start your journey by understanding what AWS and what it can really do for you and your business. Afterward, you will get a short and comprehensive background of how this cloud platform was born and its history. Learning the first steps of AWS is going to be simple once you have a view of what cloud computing is and what are the main benefits of AWS. Now that you have acquired the basic knowledge, you can move on to the more advanced steps: learning about service development for website owners, AWS storage devices, big data and notification services, security, database, and cost management. With this book, you can: Improve your knowledge about cloud systems and data analysis Get a handle on the basic concepts of AWS Make it

easier to work with the 175 features of the AWS platform Learn about the myths surrounding AWS that you should stop and get the real facts instead Understand why knowing about cloud computing is a real asset for you and your company Learn how AWS was born and developed by the experts behind it Discover some of the weaknesses of the system and how to make them work in your advantage Understand why the feature of cloud computing for the big players lies in Amazon Elastic Compute Clouding Learn the role of AWS in advanced systems and innovative ideas such as big data, machine learning, and AI Become a better professional that can help you advance in your career or grow your business Enjoy a secured database system that will never fail you or your company Learn how to use platform available in almost any region of the world, with no compromises on location Experience innovative ideas and become a highly skilled professional! And much, much, more! Still having doubts? Don't worry, this book is easy to follow and will thoroughly explain every concept in a simple way that is easy to understand by everyone. Don't hesitate and start your AWS learning journey NOW! Click Buy Now With 1-Click or Buy Now to get started

AWS

THE ULTIMATE GUIDE FROM BEGINNERS TO ADVANCED. DISCOVER AMAZON WEB SERVICES THE EASY WAY

Do you want to know why AWS is the Future of data management and security? Would you like to Discover why AWS is your best solution? Do you want to Dip Your Feet Into AWS? If you answered "YES!", then you need to look no further. This book will answer practically every question you may be having about AWS, from various angles to allow you to have in-depth knowledge of why AWS is considered the most adaptable, extremely scalable, cost-effective as well as reliable infrastructure that you can utilize for expanding secured web solutions with very minimum maintenance irrespective of your demands! In this book, you will gain a complete understanding of AWS from a user perspective, including: Why cloud computing is the future. How and why Amazon ended up developing AWS. A comprehensive overview of AWS services. Optional AWS support services that you can employ to improve the user experience. In-depth understanding of AWS features in comparison to the other options on the marketplace. How AWS is an incredibly versatile and powerful cloud service Key development tools of AWS that you can leverage to propel your business to the next level. And much, much, more! If you made it up to this point it's because you are serious about embracing advanced cloud computing systems and AWS has everything you need. Discover how to obtain the most from its advanced cloud computing capacities. In this no-nonsense, no-holds-barred guide, I show you all the benefits of AWS and how it can transform your business for the better. What are you waiting for? Scroll Up and get your copy now.

AWS

AMAZON WEB SERVICE - THE COMPLETE GUIDE FOR BEGINNERS

In case you are thinking about expanding your business database with overall

automation of each and every process, then *AWS: Amazon Web Service - The Complete Guide for Beginners* will be the perfect choice for you. It is something which you really require if you want to learn about cloud computing with AWS. The very first chapter of this eBook will be providing you with all forms of basic information regarding AWS, the tools which you will find with the service of AWS, along with the many components of the same. All the chapters have been arranged in such a way which will be providing you with each and every required solution along with all the answers to your questions. Here is a summarized form of all the key elements which you can find in this book. AWS is loaded with features that can provide you with all-round help at each and every step. Also, it is not at all easy to properly maintain the database access. It is your sole responsibility to ensure that all the access permissions are given out to those individuals whom you actually trust and also who functions as a very important person within the concerned organization. As the owner of your organization, you are needed to secure all the data centers in all the possible ways to make sure that there are no possible ways of data theft or leakage. If you fail to do so, it might result in great loss for your organization along with the web applications. For the purpose of meeting all the new requirements, all that you need is scaling of performance. It enables organizations to meet the growing need easily. It also comes with deploying the new types of measures into the application for functioning. Besides scaling the performance of the data centers, you are also required to scale the infrastructure of your business when your business grows in size. If you cannot comply with the required amount of scaling, you might be losing a considerable portion of your clients. It also comes with the scaling of security measures. AWS can be regarded as the main attraction in the business sector due to its wide range of services. Most of the organizations are trying to give their best for integrating the AWS services into the functioning of their business. If you have not yet tried out the digital form of services for your business database, it is the perfect time for you to do so as it is always better to be late than being sorry. It is always advised not to get scared by seeing the results at the initial stage as it will take some time to grow your business and organizational functioning. So, if you are interested in the various aspects of AWS and its services, scroll up and click the buy button now and feel like a pro within a few days!

GET GOING WITH AMAZON ECHO AND ALEXA IN EASY STEPS

In Easy Steps

AWS: THE MOST COMPLETE GUIDE TO AMAZON WEB SERVICES FROM BEGINNER TO ADVANCED LEVEL

MCP STRUGGLING TO COME TO GRIPS WITH CLOUD TECHNOLOGY? Amazon Web Services offer on-demand cloud services created with customer satisfaction in mind. AWS is one of the best cloud services out there, but starting the tech can be tricky if you don't have the right guide. This book was written exactly for anyone wanting to use cloud systems in their place of work, for the first time. It's one of the only books on the market that holds your hand and guides you step by step to setting up Amazon Web Services for yourself. You won't get this quality of cloud computing

information anywhere else! It gets straight to the point allowing you get finished with setting up the ground-breaking technology FASTER. No hype! No fuss! Just pure value! This amazing book will cover: Finally, you will be able to effectively utilise the resource that is AWS cloud services, in record time and you'll have fun along the way!

ANDROID TABLETS FOR SENIORS IN EASY STEPS

FULLY ILLUSTRATED USING GOOGLE NEXUS. COVERS ANDROID JELLY BEAN.

In Easy Steps Tablet computers are beginning to appear everywhere on the digital landscape and, at first sight, they can be slightly daunting in terms of what they can do and how to make best use of them. Tablets are by no means a passing gimmick, however, and in many ways they have the potential to replace desktop or laptop computers in many households. Tablets are powerful, portable and packed full of functionality for most computing tasks. Android is the operating system on a wide range of tablets and it is one of the major players in this market. As the appetite for mobile computing increases, the use of Android tablets is also likely to increase significantly. *Android Tablets for Seniors in easy steps* looks at the range of devices available and their specifications and functionality. It also explains the Android operating system and how to use it on your tablet in terms of navigating around, performing all of your favourite tasks, getting online and turning your tablet into a mobile library and entertainment centre. Android tablets offer an interactive, touch screen experience and the book shows how to get up and running with this so that you can quickly find your way around with Android. It also details how you can use the Android settings to ensure that your tablet looks and works in exactly the way that you want. Apps are the programs that give Android tablets their functionality and this is covered in depth, from using the preinstalled apps, to downloading and using the huge selection available from the Google Play Store, which is linked directly to Android tablets. It also shows how to get the best apps for popular activities such as travel, health and wellbeing, family history and online shopping. Online connectivity is a vital element for tablets and the book looks at connecting to the web via Wi-Fi, using email, making phone and video calls to family and friends with Skype and diving into the world of social networking. Security on tablets is just as important as on any other computer and this is covered in terms of preventing access to your tablet and staying safe online and when using your apps. Overall, *Android Tablets for Seniors in easy steps* shows the value of having one of these devices and presents clear and visually attractive advice, in larger type for easier reading, about joining the latest computer revolution so that you can feel confident about participating in the world of mobile computing. The book features the Google Nexus but is applicable to all tablets running the Android operating system.

ANSIBLE FOR AWS

EASY WAY TO UNDERSTAND HOW TO USE ANSIBLE IN AMAZON WEB

SERVICES

Createspace Independent Publishing Platform *This book is a guide for how to use Ansible in the AWS (Amazon Web Services). The AWS is becoming a popular form of cloud computing in which most businesses, organizations and individuals keep huge amounts of their sensitive data. With Ansible, we can automate most of the tasks such organizations do on the AWS. The first part of the book explains how to create an immutable infrastructure in the AWS using Ansible. It will guide you on all the necessary steps, starting from setup of the AWS account to creation of an inventory. The book also guides you on how to provision and auto scale your AWS infrastructure with Ansible. With this, it will be easy for you or the organization to upload huge amounts of data and have the infrastructure scale to accommodate the data. Please note that with auto scaling, Ansible will do much of the management automatically on the organization's behalf, so there will be little or no effort involved for the organization itself. This results in ease of management and the simplification of tasks. A Dynamic Inventory is also of great significance in AWS. This book explains how to create a Dynamic Inventory using both AWS and Ansible. Ansible and Terraform can also be used to manage Kubernetes on AWS. This book guides you on how to do this. The following topics are discussed in this book: - Creating an Immutable Infrastructure - Provision and Autoscaling your Infrastructure with Ansible - Dynamic Inventory with AWS and Ansible - Ansible and Terraform for Kubernetes to AWS*

WEBSITE HOSTING AND MIGRATION WITH AMAZON WEB SERVICES

A PRACTICAL GUIDE TO MOVING YOUR WEBSITE TO AWS

Apress *Understand the steps necessary to host your website using the Amazon Web Services (AWS) platform. You will be able to set up your website for the first time or migrate your existing website. Explore scenarios, considerations, and steps for three types of websites, including hosting a static website, a content management system (CMS) based website, and a full-featured enterprise level website. Topic areas such as content storage in S3, compute resources in EC2, Route53 DNS Management, email services setup using Simple Email Service as well as strategies for high availability, fault tolerance, and website maintenance are covered. Website Hosting and Migration with Amazon Web Services is organized in a way that allows you to start with simple concepts using AWS core services that allow you to build knowledge and confidence using AWS services while exploring the latest technology on this ever-updating platform. Using AWS to host your website offers you more control over your infrastructure, content delivery, and ability to scale to fit your website needs. It's time to take control and take your website to the next level. This engaging resource: Explains how to use the Amazon Web Services Free Tier to evaluate the platform for hosting your website Walks you through the setup and migration steps for three unique and popular web hosting scenarios Delivers hands-on experience with base concepts that can be built upon to grow and improve your website infrastructure Provides sample resources to test and understand the setup process fully What You'll Learn Evaluate Amazon Web Services (AWS) offered on the*

platform that may benefit your website Set up and maintain three unique types of websites using AWS core services, enabling you to gain a deeper understanding of what is capable for your website or future projects Select AWS services that can improve performance and control of your website Use AWS RDS to deliver a redundant database solution for your website Manage DNS, domain registration, and transfers in AWS Use CloudFront to deliver content efficiently on a global scale Who This Book Is For Small business owners, webmasters, freelance web designers, and others looking to have more control over their web content, save money by using a platform that charges for just the services you use, or grow the stability of their website by making it highly available, fault tolerant, and easily deployed; those looking to learn more about AWS Web Hosting options in general.

THE DEFINITIVE GUIDE TO GRAILS

Apres The rise of Ruby on Rails has signified a huge shift in how we build web applications today; it is a fantastic framework with a growing community. There is, however, space for another such framework that integrates seamlessly with Java. Thousands of companies have invested in Java, and these same companies are losing out on the benefits of a Rails-like framework. Enter Grails. Grails is not just a Rails clone. It aims to provide a Rails-like environment that is more familiar to Java developers and employs idioms that Java developers are comfortable using, making the adjustment in mentality to a dynamic framework less of a jump. The concepts within Grails, like interceptors, tag libs, and Groovy Server Pages (GSP), make those in the Java community feel right at home. Grails' foundation is on solid open source technologies such as Spring, Hibernate, and SiteMesh, which gives it even more potential in the Java space: Spring provides powerful inversion of control and MVC, Hibernate brings a stable, mature object relational mapping technology with the ability to integrate with legacy systems, and SiteMesh handles flexible layout control and page decoration. Grails complements these with additional features that take advantage of the coding-by-convention paradigm such as dynamic tag libraries, Grails object relational mapping, Groovy Server Pages, and scaffolding. Graeme Rocher, Grails lead and founder, and Jeff Brown bring you completely up-to-date with their authoritative and fully comprehensive guide to the Grails framework. You'll get to know all the core features, services, and Grails extensions via plug-ins, and understand the roles that Groovy and Grails are playing in the changing Web.

AMAZON WEB SERVICES FOR DUMMIES

John Wiley & Sons Create dynamic cloud-based websites with Amazon Web Services and this friendly guide! As the largest cloud computing platform in the world, Amazon Web Services (AWS) provides one of the most popular web services options available. This easy-to-understand guide is the perfect introduction to the Amazon Web Services platform and all it can do for you. You'll learn about the Amazon Web Services tool set; how different web services (including S3, Amazon EC2, and Amazon Flexible Payments) and Glacier work; and how you can implement AWS in your organization. Explains how to use Amazon Web Services to store objects, take payments, manage large quantities of data, send e-mails, deploy push

notifications, and more from your website Details how AWS can reduce costs, improve efficiency, increase productivity, and cut down on expensive hardware investments - and administrative headaches - in your organization Includes practical examples and helpful step-by-step lists to help you experiment with different AWS features and create a robust website that meets your needs Amazon Web Services For Dummies is exactly what you need to get your head in the cloud with Amazon Web Services!

ANSIBLE: UP AND RUNNING

AUTOMATING CONFIGURATION MANAGEMENT AND DEPLOYMENT THE EASY WAY

"O'Reilly Media, Inc." Among the many configuration management tools available, Ansible has some distinct advantages—it's minimal in nature, you don't need to install anything on your nodes, and it has an easy learning curve. With this updated second edition, you'll learn how to be productive with this tool quickly, whether you're a developer deploying code to production or a system administrator looking for a better automation solution. Authors Lorin Hochstein and René Moser show you how to write playbooks (Ansible's configuration management scripts), manage remote servers, and explore the tool's real power: built-in declarative modules. You'll discover that Ansible has the functionality you need—and the simplicity you desire. Manage Windows machines, and automate network device configuration Manage your fleet from your web browser with Ansible Tower Understand how Ansible differs from other configuration management systems Use the YAML file format to write your own playbooks Work with a complete example to deploy a non-trivial application Deploy applications to Amazon EC2 and other cloud platforms Create Docker images and deploy Docker containers with Ansible This book is best read start to finish, with later chapters building on earlier ones. Because it's written in a tutorial style, you can follow along on your own machine. Most examples focus on web applications.

AWS LAMBDA

THE EASY STEP BY STEP GUIDE TO BUILD AND DEPLOY SERVERLESS APPLICATIONS FOR BEGINNERS

Independently Published Quickstart guide for AWS Amazon Web Services Lambda AWS Lambda is an incredibly versatile and powerful platform, but only if you know how to use it! Need to learn AWS Lambda fast? AWS Lambda is a serverless, event-driven cloud platform. With Lambda, your computing resources are as big as your imagination! Lower your infrastructure costs while deploying systems and applications that are infinitely scalable. Learn how to design and then build Lambda functions and master AWS Lambda with actual code and examples contained in this book. When you understand how to use Amazon Web Services and AWS Lambda specifically, you unlock a world of computing power and possibilities. Get the most out of AWS Lambda simply by following the easy instructions fully explained inside this guide. It doesn't matter if you have never used AWS before. This step-by-step

guide gives you everything you need to know to do more with AWS Lambda than you ever thought possible! Fully up to date The world of cloud computing is changing constantly and yesterday's instructions are useless today. Save yourself the headache and frustration of trying to use a guide that just doesn't work anymore! Brand new and up to date, this guide shows you exactly what you need to do to get up and running on AWS Lambda today! Here is a preview of what you will learn in this guide: What is AWS Lambda? Why use AWS Lambda? How to begin using AWS Lambda Familiarizing yourself with the Serverless Framework Defining core concepts in the Serverless Framework Installing the Serverless Framework Setting Up Credentials Creating Amazon Web Services Access Keys Using Amazon Web Services Access Keys Quick Setup Using Amazon Web Services Profiles to Set up Using Services, Functions, and Events Services Functions Events Deployment Samples and Implementation And so much more! If you aren't a tech-savvy person, have no fear! With this guide in your hands that will not be a barrier for you any longer. Learn AWS Lambda quickly and easily when you grab this guide now!

LEARN MICROSOFT VISUAL STUDIO APP CENTER

WITH XAMARIN FORMS

Apress Use Visual Studio App Center with Xamarin Forms to set up a DevOps CI/CD pipeline, set up your mobile builds on either iOS or Android, set up Android and Apple certificates and provisioning profiles, distribute your app to your developers and testers, capture analytics and crashes from your users, communicate to your users with push notifications, and run UI tests on the Microsoft cloud. You will see how to automate and manage the life cycle of your apps through Microsoft's Cloud Service, with a focus on integrating App Center into your Xamarin Forms apps with clear, practical examples. As you follow along with the sample app, you will see how easy it is to configure your builds, to test the sample app on various iOS and Android devices on the App Center cloud, and to distribute your app to real devices. Whether you are a developer on a small team or a startup or an architect in a large organization curious about the benefits of Visual Studio App Center, after finishing this book, you will be confident in setting up App Center on your next mobile project. Come join me on this journey through Visual Studio App Center with Xamarin Forms.

What You Will Learn Create a DevOps CI/CD pipeline for your mobile app on both iOS and Android devices Save money without buying multiple iOS and Android devices and instead run cloud UI tests Stay informed about build successes and failures by integrating App Center with Slack Set up groups and add team members to your groups on App Center Distribute your app to your team on either iOS or Android devices Capture important user events in your code and report to App Center Give a friendly user experience by handling crashes gracefully and reporting to App Center Keep and analyze your user's data on Azure by setting up automatic data export to Azure Communicate with your users using iOS and Android notification services from App Center Give your users a better experience by sending silent push notifications Include custom data in your push notifications

Who This Book Is For Xamarin Forms mobile developers with previous experience using the Xamarin framework.

BEGINNING AMAZON WEB SERVICES WITH NODE.JS

Apress *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.

SMART HOMES IN EASY STEPS

MASTER SMART TECHNOLOGY FOR YOUR HOME

In Easy Steps *Smart Homes in easy steps* shows you how to start to take advantage of the current smart technology that is beginning to revolutionise the way in which we run our homes! The idea of a smart home - using digital devices throughout the home that can be controlled by digital voice assistants, apps, smartphones and tablets - is not a science fiction vision of the future: it is very much part of the here and now, and available to all. Also known as the Internet of Things (IoT), smart home devices can be used to automate tasks, save time and money, and to control devices in your home with a touch of a button - even when you are somewhere else. *Smart Homes in easy steps* takes the mystery out of all of the elements that are required to set up a smart home: it defines a smart home and shows what is needed to make a home smart: digital voice assistants, devices and apps. Initially, the book looks at the concept of a smart home and how it is now affordable and accessible enough for it to be a serious option for any household. Then, setting up items for a smart home is covered in detail - installing the devices, and also linking them to apps and digital voice assistants for controlling them. The

book then examines the digital voice assistants that can be used in the home to control smart home devices, including detailed information about using the most popular options (and their related speakers): Alexa and the Amazon Echo; Google Assistant and the Google Home; and Siri and the Apple HomePod. The book then looks at specific areas of smart home devices, including installation and setup, and how to control them once they are up and running. Some of the areas that are covered in detail include: Smart lighting Smart heating Smart security systems Smart home cameras Smart locks Smart plugs Illustrated using Amazon Echo and Alexa; Google Assistant and Google Home; Apple HomePod and the Home app; and Nest. *Smart Homes in easy steps* is not a look into the future: it is a comprehensive yet concise, step-by-step guide on how to start transforming your home right now, using this exciting and now affordable technology – for smart learning! Contents: 1. About Smart Homes 2. About Digital Voice Assistants 3. Alexa and the Amazon Echo 4. Google Assistant and Google Home 5. HomePod and the Home app 6. Using Smart Devices 7. Smart Lighting 8. Smart Heating 9. Smart Security 10. More Smart Home Options 11. Looking Forward

AWS ADMINISTRATION - THE DEFINITIVE GUIDE

Packt Publishing Ltd Learn to design, build, and manage your infrastructure on the most popular of all the Cloud platforms—Amazon Web Services About This Book Learn how to leverage various Amazon Web Services (AWS) components and services to build a secure, reliable, and robust environment to host your applications on Deep dive into the core AWS service offerings with hands-on tutorials, real-world use case scenarios, and best practices A self-paced, systematic, and step-by-step guide to learning and implementing AWS in your own environment Who This Book Is For This book is for those who want to learn and leverage AWS. Although no prior experience with AWS is required, it is recommended that you have some hands-on experience of Linux, Web Services, and basic networking What You Will Learn A brief introduction to Cloud Computing and AWS accompanied by steps to sign up for your first AWS account Create and manage users, groups, and permissions using AWS Identity and Access Management services Get started with deploying and accessing EC2 instances, working with EBS Volumes and Snapshots Customize and create your very own Amazon Machine Image Design and deploy your instances on a highly secured, network isolated environment using Amazon VPC Effectively monitor your AWS environment using specialized alarms, custom monitoring metrics, and much more Explore the various benefits of Database-as-a-Service offerings and leverage them using Amazon RDS and Amazon DynamoDB Take an in-depth look at what's new with AWS, including EC2 Container Service and Elastic File System In Detail AWS is at the forefront of Cloud Computing today. Many businesses are moving away from traditional datacenters and toward AWS because of its reliability, vast service offerings, lower costs, and high rate of innovation. Because of its versatility and flexible design, AWS can be used to accomplish a variety of simple and complicated tasks such as hosting multitenant websites, running large scale parallel processing, content delivery, petabyte storage and archival, and lots more. Whether you are a seasoned sysadmin or a rookie, this book will provide you with all the necessary

skills to design, deploy, and manage your applications on the AWS cloud platform. The book guides you through the core AWS services such as IAM, EC2, VPC, RDS, and S3 using a simple real world application hosting example that you can relate to. Each chapter is designed to provide you with the most information possible about a particular AWS service coupled with easy to follow hands-on steps, best practices, tips, and recommendations. By the end of the book, you will be able to create a highly secure, fault tolerant, and scalable environment for your applications to run on. *Style and approach* This in-depth and insightful guide is filled with easy-to-follow examples, real-world use cases, best practices, and recommendations that will help you design and leverage AWS.

INTRODUCTORY GUIDELINE FOR USING TWILIO PROGRAMMABLE MESSAGING AND PROGRAMMABLE VOICE SERVICES

Lulu Press, Inc *Twilio.com* is an American cloud communications platform. Twilio allows software developers to programmatically make and receive phone calls, send and receive text messages, and perform other communication functions using its web service APIs. Twilio uses Amazon Web Services to host telephony infrastructure and provide connectivity between HTTP and the public switched telephone network (PSTN) through its APIs Twilio has very complicated system to understand and use. Its services mainly provided for qualified software developers. But in this report, I will provide introductory guideline for using the Twilio Programmable Messages and Programmable Voices services for simple use without the need to have deep knowledge in Programming. The report consists from the following sections: 1. Opening a Twilio Account and get a Twilio Trial Number 2. Upgrading the Twilio account 3. Twilio guideline for sending and receiving SMS 4. TwiMLTM for Programmable SMS 5. TwiMLTM for Programmable Voice 6. Basic steps to build Programmable Voice 7. Using TwiML Bins functions 8. Xampp and Ngrok web server setup for Twilio development 9. Sending messages from the dashboard of the Twilio account 10. Auto Dialer for Twilio Platform 11. Summary of testing Programmable Voice using different options 12. Summary of testing Programmable Messaging through different options 13. Creating free website to save the files on it 14. Making voice call using Twilio in browser

ARCHITECTING ENTERPRISE BLOCKCHAIN SOLUTIONS

John Wiley & Sons *Demystify* architecting complex blockchain applications in enterprise environments *Architecting Enterprise Blockchain Solutions* helps engineers and IT administrators understand how to architect complex blockchain applications in enterprise environments. The book takes a deep dive into the intricacies of supporting and securing blockchain technology, creating and implementing decentralized applications, and incorporating blockchain into an existing enterprise IT infrastructure. Blockchain is a technology that is experiencing massive growth in many facets of business and the enterprise. Most books around blockchain primarily deal with how blockchains are related to cryptocurrency or focus on pure blockchain development. This book teaches what blockchain technology is and offers insights into its current and future uses in high performance

networks and complex ecosystems. • Provides a practical, hands-on approach • Demonstrates the power and flexibility of enterprise blockchains such as Hyperledger and R3 Corda • Explores how blockchain can be used to solve complex IT support and infrastructure problems • Offers numerous hands-on examples and diagrams Get ready to learn how to harness the power and flexibility of enterprise blockchains!

THE EASY WAY TO AN ORGANISED PHOTO LIBRARY

Robin Whalley Does your photography library feel out of control? If you are like most photographers I know, your library of images is growing almost uncontrollably. Sometimes you try to organise them but it's difficult to know what to do. After struggling for a while, you admit defeat and go back to ignoring the problem. But you're left with a nagging feeling at the back of your mind. Your photography is a mess and it's becoming harder to find the images you're looking for. And what about that backup that you keep putting off because the backup drive is full? You know your hard drive will eventually fail and when it does, you lose everything. If this sounds familiar, you're not alone. Photographers everywhere are facing the same problems, and they feel out of control. But what if I told you there is a better way? Imagine that I can show you how to easily organise your photography using a method that could handle any number of images. That helps you sort and search for your best photos in seconds. Where you can make regular and automatic backups so that you don't risk losing valuable images. And what if we can do all this using the existing features in Lightroom? Would you be interested? Well, there is a way. Following the quick and simple workflow laid out in this book you will learn: · How to use a self-organising and expandable folder structure to hold your photography. · Create a bespoke workflow to suit your needs, whilst easily organising your photographs. · Ways to sort and filter your images so as not to waste time. · Tools to find the perfect image amongst thousands. · What to do with all the finished images you produce when editing. · How and why to use keywords, even if you don't sell stock photography. · Ways to move and reorganise an existing photo library that's already in a mess. · Storing and backing up your photo library so as not to risk losing everything. Even if you have hundreds of thousands of disorganised images, you can quickly regain control following the simple steps in this book. If you don't feel confident using Lightroom, don't worry. Everything you need to know is explained in the step-by-step instructions in a way that's easy to follow. This method works with both the latest version of Lightroom Classic CC and older pre-CC versions of Lightroom Regain control of your photography today with this concise, easy-to-follow guide.

THE CLOUD-BASED DEMAND-DRIVEN SUPPLY CHAIN

John Wiley & Sons It's time to get your head in the cloud! In today's business environment, more and more people are requesting cloud-based solutions to help solve their business challenges. So how can you not only anticipate your clients' needs but also keep ahead of the curve to ensure their goals stay on track? With the help of this accessible book, you'll get a clear sense of cloud computing and

understand how to communicate the benefits, drawbacks, and options to your clients so they can make the best choices for their unique needs. Plus, case studies give you the opportunity to relate real-life examples of how the latest technologies are giving organizations worldwide the opportunity to thrive as supply chain solutions in the cloud. Demonstrates how improvements in forecasting, collaboration, and inventory optimization can lead to cost savings Explores why cloud computing is becoming increasingly important Takes a close look at the types of cloud computing Makes sense of demand-driven forecasting using Amazon's cloud Whether you work in management, business, or IT, this is the dog-eared reference you'll want to keep close by as you continue making sense of the cloud.

SOCIAL COMPUTING AND SOCIAL MEDIA: DESIGN, USER EXPERIENCE AND IMPACT

14TH INTERNATIONAL CONFERENCE, SCSM 2022, HELD AS PART OF THE 24TH HCI INTERNATIONAL CONFERENCE, HCII 2022, VIRTUAL EVENT, JUNE 26 - JULY 1, 2022, PROCEEDINGS, PART I

Springer Nature *This two-volume set LNCS 13315 and 13316 constitutes the refereed proceedings of the 14th International Conference on Social Computing and Social Media, SCSM 2022, held as part of the 24th International Conference, HCI International 2022, which took place in June-July 2022. Due to COVID-19 pandemic the conference was held virtually. The total of 1276 papers and 275 posters included in the 40 HCII 2022 proceedings volumes was carefully reviewed and selected from 5583 submissions. The papers of SCSM 2022, Part I, are organized in topical sections named: design and user experience in social media and social live streaming; text analysis and AI in social media; social media impact on society and business.*

AWS FOR DEVELOPERS FOR DUMMIES

John Wiley & Sons *Everything you need to get running with IaaS for Amazon Web Services Modern businesses rely on Infrastructure-as-a-Service (IaaS)—a setup in which someone else foots the bill to create application environments—and developers are expected to know how to write both platform-specific and IaaS-supported applications. If you're a developer who writes desktop and web applications but have little-to-no experience with cloud development, this book is an essential tool in getting started in the IaaS environment with Amazon Web Services. In Amazon Web Services For Developers For Dummies, you'll quickly and easily get up to speed on which language or platform will work best to meet a specific need, how to work with management consoles, ways you'll interact with services at the command line, how to create applications with the AWS API, and so much more. Assess development options to produce the kind of result that's actually needed Use the simplest approach to accomplish any given task Automate tasks using something as simple as the batch processing features offered by most platforms Create example applications using JavaScript, Python, and R Discover how to use the XML files that appear in the management console to fine tune your configuration Making sense of Amazon Web Services doesn't have to be as difficult as it seems—and this*

book shows you how.

LIFESKETCH

4 EASY STEPS TO COLLECTING THE STORIES THAT MATTER MOST

The family stories that get passed down are the ones that get written down. In four easy steps learn how to record important, fun and meaningful stories for your family. Whether it's stories you heard from your grandparents, or experiences from your own life, you have a wealth of information to pass along to the next generation. LifeSketch is Modular: You work on short anecdotes and stories that can be done quickly, and you add to them over time. LifeSketch is Flexible: You can work alone, with a friend, with family or in small groups - or change it up depending on your mood. LifeSketch is Meaningful: You can honor those who were important in your life through stories and remembrances. LifeSketch is NOW: Recording stories about your life or the lives of those you love will never be urgent, so it often gets left undone. We'll show you how to make it happen starting today in quick, easy steps. Blank pages are provided throughout the book for notes and your one-of-a-kind family stories.

INTRODUCTION TO AMAZON WEB SERVICES BEGINNER'S GUIDE BOOK

LEARNING THE BASICS OF AWS IN AN EASY AND FAST WAY

Createspace Independent Publishing Platform *This book is a guide to AWS (Amazon Web Services). It begins by guiding you on how to perform error retries. Sometimes, requests made to AWS may fail, and this calls for you to retry sending the requests. However, you should make the maximum number of retries and some other parameters. These are discussed in this book. The best security credentials for use in AWS are examined, so you will know the best practices for ensuring that these are secure. The AWS requests also need to be signed, which is a good way for ensuring that the requests are not tampered with while in transit. This book guides you on how to sign both AWS requests and the AWS API requests. You will also learn how to verify whether the request was interfered with or not on the receiving end. The ARN (Amazon Resource Name) and namespaces, which are used for the purpose of uniquely identifying resources are explored in this book. The process of using Unbound guidelines for the purpose of auditing the security of your AWS services is also discussed. The book also provides you with a guide on how to set up DNS Resolution between AWS and On-Premises Networks. The following topics are discussed in this book: - Error Retries in AWS - AWS Security Credentials - Setting Up DNS Resolution Between AWS and On-Premises Networks Using Unbound - Guidelines for Security Audit - AWS Service Namespace and Amazon Resource Names (ARN) - How to Sign AWS API Requests*

CLOUD COMPUTING

Book Rivers *Cloud computing is an emerging technology which is adopted by various institutions and organizations. The new establishing companies might preferring this technology for their office automation and making logs and databases*

of their employees due to its variant features like pay per use, availability of the services. Cloud computing has become a great solution for providing a flexible, on-demand, and dynamically scalable computing infrastructure for many applications. Cloud computing also presents a significant technology trends, and it is already obvious that it is reshaping information technology processes and the IT marketplace

AMAZON HACKS

"O'Reilly Media, Inc." Presents a collection of tips and techniques for getting the most out of Amazon.com, covering such topics as browsing and searching, community features, selling through Amazon, and Amazon Web services.

AWS CERTIFIED SYSOPS ADMINISTRATOR OFFICIAL STUDY GUIDE

ASSOCIATE EXAM

John Wiley & Sons Comprehensive, interactive exam preparation and so much more *The AWS Certified SysOps Administrator Official Study Guide: Associate Exam* is a comprehensive exam preparation resource. This book bridges the gap between exam preparation and real-world readiness, covering exam objectives while guiding you through hands-on exercises based on situations you'll likely encounter as an AWS Certified SysOps Administrator. From deployment, management, and operations to migration, data flow, cost control, and beyond, this guide will help you internalize the processes and best practices associated with AWS. The Sybex interactive online study environment gives you access to invaluable preparation aids, including an assessment test that helps you focus your study on areas most in need of review, and chapter tests to help you gauge your mastery of the material. Electronic flashcards make it easy to study anytime, anywhere, and a bonus practice exam gives you a sneak preview so you know what to expect on exam day. Cloud computing offers businesses a cost-effective, instantly scalable IT infrastructure. The AWS Certified SysOps Administrator - Associate credential shows that you have technical expertise in deployment, management, and operations on AWS. Study exam objectives Gain practical experience with hands-on exercises Apply your skills to real-world scenarios Test your understanding with challenging review questions Earning your AWS Certification is much more than just passing an exam—you must be able to perform the duties expected of an AWS Certified SysOps Administrator in a real-world setting. This book does more than coach you through the test: it trains you in the tools, procedures, and thought processes to get the job done well. If you're serious about validating your expertise and working at a higher level, the AWS Certified SysOps Administrator Official Study Guide: Associate Exam is the resource you've been seeking.

MASTERING CLOUD COMPUTING

FOUNDATIONS AND APPLICATIONS PROGRAMMING

Newnes *Mastering Cloud Computing* is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server,

accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

BUILDING SERVERLESS PYTHON WEB SERVICES WITH ZAPPA

BUILD AND DEPLOY SERVERLESS APPLICATIONS ON AWS USING ZAPPA

Packt Publishing Ltd Master serverless architectures in Python and their implementation, with Zappa on three different frameworks. Key Features Scalable serverless Python web services using Django, Flask, and Pyramid. Learn Asynchronous task execution on AWS Lambda and scheduling using Zappa. Implementing Zappa in a Docker container. Book Description Serverless applications are becoming very popular these days, not just because they save developers the trouble of managing the servers, but also because they provide several other benefits such as cutting heavy costs and improving the overall performance of the application. This book will help you build serverless applications in a quick and efficient way. We begin with an introduction to AWS and the API gateway, the environment for serverless development, and Zappa. We then look at building, testing, and deploying apps in AWS with three different frameworks--Flask, Django, and Pyramid. Setting up a custom domain along with SSL certificates and configuring them with Zappa is also covered. A few advanced Zappa settings are also covered along with securing Zappa with AWS VPC. By the end of the book you will have mastered using three frameworks to build robust and cost-efficient serverless apps in Python. What you will learn Build, test, and deploy a simple web service using AWS CLI Integrate Flask-based Python applications, via AWS CLI configuration Design Rest APIs integrated with Zappa for Flask and Django Create a project in the Pyramid framework and configure it with Zappa Generate SSL Certificates using Amazon Certificate Manager Configure custom domains with AWS Route 53 Create a Docker container similar to AWS Lambda Who this book is for Python Developers who are interested in learning how to develop fast and highly scalable serverless applications in Python, will find this book useful

AWS FOR DEVELOPERS FOR DUMMIES

For Dummies Everything you need to get running with IaaS for Amazon Web Services Modern businesses rely on Infrastructure-as-a-Service (IaaS)—a setup in which someone else foots the bill to create application environments—and developers are expected to know how to write both platform-specific and IaaS-

supported applications. If you're a developer who writes desktop and web applications but have little-to-no experience with cloud development, this book is an essential tool in getting started in the IaaS environment with Amazon Web Services. In *Amazon Web Services For Developers For Dummies*, you'll quickly and easily get up to speed on which language or platform will work best to meet a specific need, how to work with management consoles, ways you'll interact with services at the command line, how to create applications with the AWS API, and so much more. Assess development options to produce the kind of result that's actually needed Use the simplest approach to accomplish any given task Automate tasks using something as simple as the batch processing features offered by most platforms Create example applications using JavaScript, Python, and R Discover how to use the XML files that appear in the management console to fine tune your configuration Making sense of Amazon Web Services doesn't have to be as difficult as it seems—and this book shows you how.

PRO POWERSHELL FOR AMAZON WEB SERVICES

DEVOPS FOR THE AWS CLOUD

Apress *Pro PowerShell for Amazon Web Services* is written specifically for Windows professionals who already know PowerShell and want to learn to host Windows workloads in the Amazon Elastic Cloud Compute (EC2) cloud service. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. This book is a resource for using Microsoft's powerful scripting language, PowerShell, to create, host, manage, and administer workloads using a service widely recognized as the industry leader in cloud computing. Inside, find scripts to create and manage virtual machines, provision storage, configure networks with agility, and more—all using your preferred Windows scripting language. Use your PowerShell knowledge to harness the power of Amazon EC2 today!

PRODUCING AND ANALYZING MACRO-CONNECTOMES: CURRENT STATE AND CHALLENGES

Frontiers Media SA Construction of comprehensive and detailed brain regions neuroanatomical connections matrices (macro-connectomes) is necessary to understand how the nervous system is organized and to elucidate how its different parts interact. Macro-connectomes also are the structural foundation of any finer granularity approaches at the neuron classes and types (meso-connectomes) or individual neuron (micro-connectomes) levels. The advent of novel neuroanatomical methods, as well as combinations of classic techniques, form the basis of several large scale projects with the ultimate goal of producing publicly available connectomes at different levels. A parallel approach, that of systematic and comprehensive collation of connectivity data from the published literature and from publicly accessible neuroinformatics platforms, has produced macro-connectomes of different parts of the central nervous system (CNS) in several mammalian species.

The emergence of these public platforms that allow for the manipulation of rich connectivity data sets and enable the construction of CNS macro-connectomes in different species may have significant and long lasting implications. Moreover, when these efforts are leveraged by novel statistical methods, they may influence our way of thinking about the brain. Hence, the present brain region-centric paradigm may be challenged by a network-centric one. Ultimately, these projects will provide the information and knowledge for understanding how different neuronal parts communicate and function, developing novel approaches to diseases and disorders, and facilitating translational efforts in neurosciences. With this Research Topic we bring together the current state of macro-connectome related projects including the large scale production of thousands of publicly available neuronatomical experiments, databases with tens of thousands of connectivity records collated from the published literature, and the newest methods for displaying and analyzing this information. This topic also includes a wide range of challenges and how they are addressed - from platforms designed to integrate connectivity data across different sources, species and CNS levels of organization, to languages specifically designed to use these data in models at different scales of resolution, to efforts of 3D reconstruction and data integration, and to approaches for extraction and representation of this knowledge. Finally, we address the present state of different efforts of meso-connectomes construction, and of computational modeling in the context of the information provided by macro-connectomes.

ASP.NET CORE 5 FOR BEGINNERS

KICK-START YOUR ASP.NET WEB DEVELOPMENT JOURNEY WITH THE HELP OF STEP-BY-STEP TUTORIALS AND EXAMPLES

Packt Publishing Ltd Learn how to build web applications efficiently using ASP.NET Core 5 with the C# programming language and related frameworks Key Features Build web apps and services and cross-platform applications using .NET and C# Understand different web programming concepts with the help of real-world examples Explore the new features and APIs in ASP.NET Core 5, EF Core, Visual Studio, and Blazor Book Description ASP.NET Core 5 for Beginners is a comprehensive introduction for those who are new to the framework. This condensed guide takes a practical and engaging approach to cover everything that you need to know to start using ASP.NET Core for building cloud-ready, modern web applications. The book starts with a brief introduction to the ASP.NET Core framework and highlights the new features in its latest release, ASP.NET Core 5. It then covers the improvements in cross-platform support, the view engines that will help you to understand web development, and the new frontend technologies available with Blazor for building interactive web UIs. As you advance, you'll learn the fundamentals of the different frameworks and capabilities that ship with ASP.NET Core. You'll also get to grips with securing web apps with identity implementation, unit testing, and the latest in containers and cloud-native to deploy them to AWS and Microsoft Azure. Throughout the book, you'll find clear and concise code samples that illustrate each concept along with the strategies and techniques that will help to develop scalable and robust web apps. By the end of this book, you'll have learned how to leverage

ASP.NET Core 5 to build and deploy dynamic websites and services in a variety of real-world scenarios. What you will learn Explore the new features and APIs introduced in ASP.NET Core 5 and Blazor Put basic ASP.NET Core 5 concepts into practice with the help of clear and simple samples Work with Entity Framework Core and its different workflows to implement your application's data access Discover the different web frameworks that ASP.NET Core 5 offers for building web apps Get to grips with the basics of building RESTful web APIs to work with real data Deploy your web apps in AWS, Azure, and Docker containers Work with SignalR to add real-time notifications to your app Who this book is for This book is for developers who want to learn how to develop web-based applications using the ASP.NET Core framework. Familiarity with the C# language and a basic understanding of HTML and CSS is required to get the most out of this book.

PROGRAMMING HIVE

"O'Reilly Media, Inc." Describes the features and functions of Apache Hive, the data infrastructure for Hadoop.

SAP NETWEAVER FOR DUMMIES

John Wiley & Sons Imagine that it's the 1950s, and you are in charge of developing the U. S. interstate system. There are countless roads already in use. The system can go in numerous different directions. Where do you begin? Starting to transform your business with SAP NetWeaver is that daunting. NetWeaver is both an application platform and an integration platform. It integrates your current IT systems to enable portals, collaboration, data management, and development environments. To grasp the complexities and possibilities of SAP ASAP, dig in with *SAP NetWeaver For Dummies* and explore: MySAP Business Suite SAP Enterprise Planning Resource (ERP), Customer Relationship Management (CRM), Supply Chain Management (SCM), Human Capital Management (HCM), Product Lifecycle Management (PLM), Supplier Relationship Management (SRM), and more Mobile Infrastructure that performs like a universal translator for mobile interfaces, including laptops, wireless phones, and PDAs Master Data Management, including using the content consolidation technique to "clean up" data, master data harmonization to distribute it, and central master data management to maintain a data repository Web Application Service and NetWeaver Developer Studio—tools that let you integrate and create your own customized applications Written by Dan Woods, former CTO of The Street.com and CapitalThinking, and Jeffrey Word, the Director of Technology Strategy for SAP, this guide features real-life stories from businesses and examples of typical uses to help you cut through the complexities and get up and running. It includes a CD-ROM with: Detailed white papers and product overviews Stores from customers using SAP NetWeaver today Demos that show SAP NetWeaver in action A directory of resources for additional information Like that interstate system, SAP NetWeaver doesn't have to be integrated all at once. You choose the applications that have the most potential to benefit your company's operations and bottom line. *SAP NetWeaver For Dummies* even gives you recommendations for rolling it out and suggests practical ways to get started and

get quick returns on your SAP investment. Then you're going full-speed ahead on the road to success!

EBAY THE SMART WAY

SELLING, BUYING, AND PROFITING ON THE WEB'S #1 AUCTION SITE

Amacom Books A guide to the online auction house explains how to navigate the eBay Web site, advertise items, place online bets, evaluate buyers and sellers, offer customer services, and build a profitable e-commerce business.

METABASE UP AND RUNNING

INTRODUCE BUSINESS INTELLIGENCE AND ANALYTICS TO YOUR COMPANY AND MAKE BETTER BUSINESS DECISIONS

Packt Publishing Ltd Ask questions of your data and gain insights to make better business decisions using the open source business intelligence tool, Metabase Key Features Deploy Metabase applications to let users across your organization interact with it Learn to create data visualizations, charts, reports, and dashboards with the help of a variety of examples Understand how to embed Metabase into your website and send out reports automatically using email and Slack Book Description Metabase is an open source business intelligence tool that helps you use data to answer questions about your business. This book will give you a detailed introduction to using Metabase in your organization to get the most value from your data. You'll start by installing and setting up Metabase on your local computer. You'll then progress to handling the administration aspect of Metabase by learning how to configure and deploy Metabase, manage accounts, and execute administrative tasks such as adding users and creating permissions and metadata. Complete with examples and detailed instructions, this book shows you how to create different visualizations, charts, and dashboards to gain insights from your data. As you advance, you'll learn how to share the results with peers in your organization and cover production-related aspects such as embedding Metabase and auditing performance. Throughout the book, you'll explore the entire data analytics process—from connecting your data sources, visualizing data, and creating dashboards through to daily reporting. By the end of this book, you'll be ready to implement Metabase as an integral tool in your organization. What you will learn Explore different types of databases and find out how to connect them to Metabase Deploy and host Metabase securely using Amazon Web Services Use Metabase's user interface to filter and aggregate data on single and multiple tables Become a Metabase admin by learning how to add users and create permissions Answer critical questions for your organization by using the Notebook editor and writing SQL queries Use the search functionality to search through tables, dashboards, and metrics Who this book is for This book is for business analysts, data analysts, data scientists, and other professionals who want to become well-versed with business intelligence and analytics using Metabase. This book will also appeal to anyone who wants to understand their data to extract meaningful insights with the help of practical examples. A basic understanding of data handling and processing is

necessary to get started with this book.

INNOVATIONS IN ELECTRONICS AND COMMUNICATION ENGINEERING

PROCEEDINGS OF THE 9TH ICIECE 2021

Springer Nature *This book covers various streams of communication engineering like signal processing, VLSI design, embedded systems, wireless communications and electronics and communications in general. The book is a collection of best selected research papers presented at 9th International Conference on Innovations in Electronics and Communication Engineering at Guru Nanak Institutions Hyderabad, India. The book presents works from researchers, technocrats and experts about latest technologies in electronic and communication engineering. The authors have discussed the latest cutting edge technology, and the book will serve as a reference for young researchers.*

CROSS REALITY AND DATA SCIENCE IN ENGINEERING

PROCEEDINGS OF THE 17TH INTERNATIONAL CONFERENCE ON REMOTE ENGINEERING AND VIRTUAL INSTRUMENTATION

Springer Nature *Today, online technologies are at the core of most fields of engineering and society as a whole . This book discusses the fundamentals, applications and lessons learned in the field of online and remote engineering, virtual instrumentation, and other related technologies like Cross Reality, Data Science & Big Data, Internet of Things & Industrial Internet of Things, Industry 4.0, Cyber Security, and M2M & Smart Objects. Since the first Remote Engineering and Virtual Instrumentation (REV) conference in 2004, the event has focused on the use of the Internet for engineering tasks, as well as the related opportunities and challenges. In a globally connected world, interest in online collaboration, teleworking, remote services, and other digital working environments is rapidly increasing. In this context, the REV conferences discuss fundamentals, applications and experiences in the field of Online and Remote Engineering as well as Virtual Instrumentation. Furthermore, the conferences focus on guidelines and new concepts for engineering education in higher and vocational education institutions, including emerging technologies in learning, MOOCs & MOOLs, and open resources. This book presents the proceedings of REV2020 on “Cross Reality and Data Science in Engineering” which was held as the 17th in series of annual events. It was organized in cooperation with the Engineering Education Transformations Institute and the Georgia Informatics Institutes for Research and Education and was held at the College of Engineering at the University of Georgia in Athens (GA), USA, from February 26 to 28, 2020.*

PROFESSIONAL HADOOP

John Wiley & Sons *The professional's one-stop guide to this open-source, Java-based big data framework Professional Hadoop is the complete reference and resource for experienced developers looking to employ Apache Hadoop in real-world*

settings. Written by an expert team of certified Hadoop developers, committers, and Summit speakers, this book details every key aspect of Hadoop technology to enable optimal processing of large data sets. Designed expressly for the professional developer, this book skips over the basics of database development to get you acquainted with the framework's processes and capabilities right away. The discussion covers each key Hadoop component individually, culminating in a sample application that brings all of the pieces together to illustrate the cooperation and interplay that make Hadoop a major big data solution. Coverage includes everything from storage and security to computing and user experience, with expert guidance on integrating other software and more. Hadoop is quickly reaching significant market usage, and more and more developers are being called upon to develop big data solutions using the Hadoop framework. This book covers the process from beginning to end, providing a crash course for professionals needing to learn and apply Hadoop quickly. Configure storage, UE, and in-memory computing Integrate Hadoop with other programs including Kafka and Storm Master the fundamentals of Apache Big Top and Ignite Build robust data security with expert tips and advice Hadoop's popularity is largely due to its accessibility. Open-source and written in Java, the framework offers almost no barrier to entry for experienced database developers already familiar with the skills and requirements real-world programming entails. Professional Hadoop gives you the practical information and framework-specific skills you need quickly.