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applications Spring Microservices in Action, Second Edition John Carnell, Illary Huaylupo Sánchez, 2021-06-29 Spring Microservices in Action Second Edition teaches you to build microservice based applications using Java and Spring Summary By dividing large applications into separate self contained units Microservices are a great step toward reducing complexity and increasing flexibility Spring Microservices in Action Second Edition teaches you how to build microservice based applications using Java and the Spring platform This second edition is fully updated for the latest version of Spring with expanded coverage of API routing with Spring Cloud Gateway logging with the ELK stack metrics with Prometheus and Grafana security with the Hashicorp Vault and modern deployment practices with Kubernetes and Istio Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the technology Building and deploying microservices can be easy in Spring Libraries like Spring Boot Spring Cloud and Spring Cloud Gateway reduce the boilerplate code in REST based services They provide an effective toolbox to get your microservices up and running on both public and private clouds About the book Spring Microservices in Action Second Edition teaches you to build microservice based applications using Java and Spring You ll start by creating basic services then move to efficient logging and monitoring Learn to refactor Java applications with Spring s intuitive tooling and master API management with Spring Cloud Gateway You ll even deploy Spring Cloud applications with AWS and Kubernetes What's inside Microservice design principles and best practices Configuration with Spring Cloud Config and Hashicorp Vault Client side resiliency with Resilience4j and Spring Cloud Load Balancer Metrics monitoring with Prometheus and Grafana Distributed tracing with Spring Cloud Sleuth Zipkin and ELK Stack About the reader For experienced Java and Spring developers About the author John Carnell is a senior cloud engineer with 20 years of Java experience Illary Huaylupo S nchez is a software engineer with over 13 years of experience Table of Contents 1 Welcome to the cloud Spring 2 Exploring the microservices world with Spring Cloud 3 Building microservices with Spring Boot 4 Welcome to Docker 5 Controlling your configuration with the Spring Cloud Configuration Server 6 On service discovery 7 When bad things happen Resiliency patterns with Spring Cloud and Resilience4j 8 Service routing with Spring Cloud Gateway 9 Securing your microservices 10 Event driven architecture with Spring Cloud Stream 11 Distributed tracing with Spring Cloud Sleuth and Zipkin 12 Deploying your microservices Elixir in Action, Third Edition Saša Juric, 2024-03-19 Fully updated to Elixir 1 15 this authoritative bestseller reveals how Elixir tackles problems of scalability fault tolerance and high availability Thousands of developers have learned to build applications in Elixir by using Sa a Juric's Elixir in Action You ll skip the programming basics or 101 introductions this book builds on your existing knowledge to get you quickly writing real Elixir code Along the way you ll develop an appreciation for and considerable skill in functional and concurrent programming Inside Elixir in Action Third Edition you ll find Updates for Elixir 1 15 Elixir modules functions and type system Functional and concurrent programming Introduction to distributed system design Creating deployable releases Fully updated to Elixir 1 15 this book contains new coverage of working with application

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you can trust that even the gnarly details are dead accurate You ll start with Kotlin fundamentals learning how the language handles everything from statements and functions to classes and types and about its unique features that make Kotlin programming so seamless As you progress through this masterful book you ll get hands on with the Kotlin standard library functional programming in Kotlin and advanced features such as generics and reflection And this updated second edition now covers coroutines and structured concurrency to help you create efficient high performance applications What s inside Guidance from members of the Kotlin team Domain specific languages Kotlin coroutines and flows About the reader For readers familiar with Java or another OO language About the author Sebastian Aigner is a Developer Advocate at JetBrains and host of the Talking Kotlin podcast Roman Elizarov was the lead designer of the Kotlin language JetBrains Developer Advocate Svetlana Isakova was a member of the Kotlin compiler team Dmitry Jemerov is one of Kotlin s initial developers

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engineering using functional programming Inside you ll find cutting edge functional design principles and practices for every stage of application development There s no abstract theory you ll learn by building exciting sample applications including an application for controlling a spaceship and a full fledged backend framework You ll explore functional design by looking at object oriented principles you might already know and learn how they can be reapplied to a functional environment By the time you re done you ll be ready to apply the brilliant innovations of the functional world to serious software projects

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Book Raymond Camden, Brian Rinaldi, 2022-07-05 Jamstack JavaScript APIs and Markup Use established standard technologies to build super fast static websites without sacrificing rich dynamic features Building websites with simple straightforward standards can feel like a breath of fresh air Jamstack sites use JavaScript APIs and Markup to create fast dynamic pages without the overhead of heavyweight frameworks The Jamstack Book is your essential guide to this exciting new web architecture Written by renowned Jamstack experts Raymond Camden and Brian Rinaldi it's filled with real world projects to develop and hone your skills **Data Engineering on Azure** Vlad Riscutia, 2021-08-17 Build a data platform to the industry leading standards set by Microsoft's own infrastructure Summary In Data Engineering on Azure you will learn how to Pick the right Azure services for different data scenarios Manage data inventory Implement production quality data modeling analytics and machine learning workloads Handle data governance Using DevOps to increase reliability Ingesting storing and distributing data Apply best practices for compliance and access control Data Engineering on Azure reveals the data management patterns and techniques that support Microsoft s own massive data infrastructure Author Vlad Riscutia a data engineer at Microsoft teaches you to bring an engineering rigor to your data platform and ensure that your data prototypes function just as well under the pressures of production You ll implement common data modeling patterns stand up cloud native data platforms on Azure and get to grips with DevOps for both analytics and machine learning Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the technology Build secure stable data platforms that can scale to loads of any size When a project moves from the lab into production you need confidence that it can stand up to real world challenges This book teaches you to design and implement cloud based data infrastructure that you can easily monitor scale and modify About the book In Data Engineering on Azure you ll learn the skills you need to build and maintain big data platforms in massive enterprises This invaluable guide includes clear practical guidance for setting up infrastructure orchestration workloads and governance As you go you ll set up efficient machine learning pipelines and then master time saving automation and DevOps solutions The Azure based examples are easy to reproduce on other cloud platforms What's inside Data inventory and data governance Assure data quality compliance and distribution Build automated pipelines to increase reliability Ingest store and distribute data Production quality data modeling analytics and machine learning About the reader For data engineers familiar with cloud computing and DevOps About the author Vlad Riscutia is a software architect at Microsoft Table of Contents 1 Introduction PART 1 INFRASTRUCTURE 2 Storage 3 DevOps 4 Orchestration PART 2 WORKLOADS 5 Processing 6 Analytics 7 Machine learning PART 3 GOVERNANCE 8 Metadata 9 Data quality 10 Compliance 11 Distributing data **F# in Action** Isaac Abraham, 2024-05-21 F in Action guides you from Functional Programming novice all the way to putting F applications into production It leverages your existing knowledge of software development and the NET platform to get you up and running fast Learn how you can use scripts to rapidly explore NET libraries and packages and level up your NET skills for data

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desktop and mobile applications It begins with a rapid overview of Dart language and tools including features like interacting with the browser optional typing classes libraries and concurrency with isolates After you master the core concepts you ll move on to running Dart on the server and creating single page HTML5 web applications About the Technology Dart is a web programming language developed by Google It has modern OO features just like Java or C while keeping JavaScript s dynamic and functional characteristics Dart applications are transpiled to JavaScript and they run natively in Dart enabled browsers With production quality libraries and tools Dart operates on both the client and the server for a consistent development process About this Book Dart in Action introduces the Dart language and teaches you to use it in browser based desktop and mobile applications Not just a language tutorial this book gets quickly into the nitty gritty of using Dart Most questions that pop up while you re reading are answered on the spot OO newbies will appreciate the gentle pace in the early chapters Later chapters take a test first approach and encourage you to try Dart hands on To benefit from this book you ll need experience with HTML and JavaScript a Java or C background is helpful but not required Purchase of the print book comes with an offer of a free PDF ePub and Kindle eBook from Manning Also available is all code from the book What s Inside Dart from the ground up Numerous code samples and diagrams Creating single page web apps Transitioning from Java C or JavaScript Running Dart in the browser and on the server About the Author Chris Buckett builds enterprise scale web applications He runs Dartwatch com and is an active contributor to the dartlang list Includes numerous examples of core language features as well as more advanced HTML5 features From the Foreword by Seth Ladd Developer Advocate Google Table of Contents PART 1 INTRODUCING DART Hello Dart Hello World with Dart tools Building and testing your own Dart app PART 2 CORE DART Functional first class functions and closures Understanding libraries and privacy Constructing classes and interfaces Extending classes and interfaces Collections of richer classes Asynchronous programming with callbacks and futures PART 3 CLIENT SIDE DART APPS Building a Dart web app Navigating offline data Communicating with other systems and languages PART 4 SERVER SIDE DART Server interaction with files and HTTP Sending syncing and storing data Concurrency with isolates AI for Everyday IT Chrissy LeMaire, Brandon Abshire, 2025-06-24 Automate and accelerate your everyday IT tasks with instant solutions What if you never had to write another after incident report piece of boilerplate code or a performance review from scratch ever again Use AI tools like ChatGPT Claude Gemini and Copilot right and you ll take back hours of your time and more AI for Everyday IT reveals how you can automate dozens of your daily IT tasks with generative AI In AI for Everyday IT you ll learn how to Write effective prompts for common IT tasks Optimize report generation document handling and workplace communication Resolve IT conflicts and crises Acquire new skills and upgrade your resume AI for help desk database administration and systems administration Incorporate AI into DevOps processes and create AI powered applications Simplify time consuming people management tasks In this hands on quide automation experts Chrissy LeMaire and Brandon Abshire show you how AI tools like ChatGPT have made their lives a

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