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JavaScript-David Flanagan 2011-04-25 A revised and updated edition offers comprehensive coverage of ECMAScript 5 (the new JavaScript language standard) and also the new APIs introduced in HTML5, with chapters on functions and classes completely rewritten and updated to match current best practices and a new chapter on language extensions and subsets. Original.

JavaScript: The Definitive Guide-David Flanagan 2020-05-14 For web developers and other programmers interested in using JavaScript, this bestselling book provides the most comprehensive JavaScript material on the market. The seventh edition represents a significant update, with new information for ECMAScript 2020, and new chapters on language-specific features. JavaScript: The Definitive Guide is ideal for experienced programmers who want to learn the programming language of the web, and for current JavaScript programmers who want to master it.

Closure: The Definitive Guide-Michael Bolin 2010-09-08 If you're ready to use Closure to build rich web applications with JavaScript, this hands-on guide has precisely what you need to learn this suite of tools in depth. Closure makes it easy for experienced JavaScript developers to write and maintain large and complex codebases—as Google has demonstrated by using Closure with Gmail, Google Docs, and Google Maps. Author and Closure contributor Michael Bolin has included numerous code examples and best practices, as well as valuable information not available publicly until now. You'll learn all about Closure's Library, Compiler, Templates, testing framework, and Inspector—including how to minify JavaScript code with the Compiler, and why the combination of the Compiler and the Library is what sets Closure apart from other JavaScript toolkits. Learn how the Compiler significantly reduces the amount of JavaScript users have to download when visiting your site Discover several ways to use the Compiler as part of your build process Learn about type expressions, primitives, and common utilities Understand how Closure emulates classes and class-based inheritance Use Closure Templates on the server and the client from either JavaScript or Java Test and debug your JavaScript code, even when it's compiled

JavaScript Pocket Reference-David Flanagan 2002-10-29 JavaScript--the powerful, object-based scripting language that can be embedded directly into HTML pages--has earned its place in the web developer's toolkit, to the extent that it's now considered required knowledge for web developers. You can use JavaScript to create dynamic, interactive applications that run completely within a web browser. JavaScript is also the language of choice for developing Dynamic HTML content. Because its syntax is based on the popular programming languages C, C++, and Java, JavaScript is familiar and easy to learn for experienced programmers. At the same time, it's an interpreted scripting language, providing a flexible, forgiving programming environment for new programmers. The JavaScript Pocket Reference, 2nd Edition, provides a complete overview of the core JavaScript language and client-side scripting environment, as well as quick-reference material on core and client-side objects, methods, and properties. The new edition has been revised to cover JavaScript 1.5, and is particularly useful for developers working with the standards-compliant web browsers, such as Internet Explorer 6, Netscape 7, and Mozilla. Ideal as an introduction for beginners and a quick reference for advanced developers, this pocket-sized book is easy to take anywhere and serves as the perfect companion volume to the bestselling JavaScript: The Definitive Guide, 4th Edition. O'Reilly's Pocket References have become a favorite among developers everywhere. By providing a wealth of important details in a concise, well-organized format, these handy books deliver just what you need to complete the task at hand. When you've reached a sticking point and need to get to the answer quickly, the new JavaScript Pocket Reference is the book you'll want close at hand.

Dojo: The Definitive Guide-Matthew A. Russell 2008-06-17 Of all the Ajax-specific frameworks that have popped up in recent years, one clearly stands out as the industrial strength solution. Dojo is not just another JavaScript toolkit—it's the JavaScript toolkit—and Dojo: The Definitive Guide demonstrates how to tame Dojo's extensive library of utilities so that you can build rich and responsive web applications like never before. Dojo founder Alex Russell gives a foreword that explains the "why" of Dojo and of this book. Dojo provides an end-to-end solution for development in the browser, including everything from the core JavaScript library and turnkey widgets to build tools and a testing framework. Its vibrant open source community keeps adding to Dojo's arsenal, and this book provides an ideal companion to Dojo's official documentation. Dojo: the Definitive Guide gives you the most thorough overview of this toolkit available, showing you everything from how to create complex layouts and form controls closely resembling those found in the most advanced desktop applications with stock widgets, to advanced JavaScript idioms to AJAX and advanced communication transports. With this definitive reference you get: Get a concise introduction to Dojo that's good for all 1.x versions Well-explained examples, with scores of tested code samples, that let you see Dojo in action A comprehensive reference to Dojo's standard JavaScript library (including fundamental utilities in Base, Dojo's tiny but powerful kernel) that you'll wonder how you ever lived without An extensive look at additional Core features, such as animations, drag-and-drop, back-button handling, animations like wipe and slide, and more Exhaustive coverage of out-of-the-box Dijits (Dojo widgets) as well as definitive coverage on how to create your own, either from scratch or building on existing ones An itemized inventory of DojoX subprojects, the build tools, and the DOH, Dojo's unit-testing framework that you can use with Dojo—or anywhere else If you're a DHTML-toting web developer, you need to read this book—whether you're a one-person operation or part of an organization employing scores of developers. Dojo packs the standard JavaScript library you've always wanted, and Dojo: The Definitive Guide helps you transform your ideas into working applications quickly by leveraging design concepts you already know.

The Definitive Guide to HTML5-Adam Freeman 2012-01-28 The Definitive Guide to HTML5 provides the breadth of information you'll need to start creating the next generation of HTML5 websites. It covers all the base knowledge required for standards-compliant, semantic, modern website creation. It also covers the full HTML5 ecosystem and the associated APIs that complement the core HTML5 language. The Definitive Guide to HTML5 begins by tackling the basics of HTML5, ensuring that you know best practices and key uses of all of the important elements, including those new to HTML5. This section also covers extended usage of CSS3, JavaScript, and DOM manipulation, making you proficient in all core aspects of modern website creation. The final part of the book covers the associated W3C APIs that surround the HTML5 specification. You will achieve a thorough working knowledge of the Geolocation API, web storage, creating offline applications, and the new drag and drop functionality. The Definitive Guide to HTML5 also dives into the key media enhancements of HTML5 and its surrounding technologies: Canvas, video and audio.

CSS: The Definitive Guide-Eric A. Meyer 2017-10-16 If you're a web designer or app developer interested in sophisticated page styling, improved accessibility, and saving time and effort, this book is for you. This revised edition provides a comprehensive guide to CSS implementation, along with a thorough review of the latest CSS specifications. CSS is a constantly evolving language for describing the presentation of web content on screen, printers, speech synthesizers, screen readers, and chat windows. It is used by all browsers on all screen sizes on all types of IoT devices, including phones, computers, video games, televisions, watches, kiosks, and auto consoles. Authors Eric Meyer and Estelle Weyl show you how to improve user experience, speed development, avoid potential bugs, and add life and depth to your applications through layout, transitions and animations, borders, backgrounds, text properties, and many other tools and techniques. This guide covers: Selectors, specificity, and the cascade Values, units, fonts, and text properties Padding, borders, outlines, and margins Colors, backgrounds, and gradients Floats and positioning tricks Flexible box layout The new Grid layout system 2D and 3D transforms, transitions, and animation Filters, blending, clipping, and masking Media and feature queries

JavaScript-David Flanagan 2020 For web developers and other programmers interested in using JavaScript, this bestselling book provides the most comprehensive JavaScript reference section on the market. The seventh edition represents a significant update, with new material for ECMAScript 2017 (ES8), and new chapters on language-specific features. JavaScript: The Definitive Guide is ideal for experienced programmers who want to learn the programming language of the web, and for current JavaScript programmers who want to master it.

Understanding ECMAScript 6-Nicholas C. Zakas 2016-12-16 ECMAScript 6 represents the biggest update to the core of JavaScript in the history of the language. In Understanding ECMAScript 6, expert developer Nicholas C. Zakas provides a complete guide to the object types, syntax, and other exciting changes that ECMAScript 6 brings to JavaScript. Every chapter is packed with example code that works in any JavaScript environment so you'll be able to see new features in action. You'll learn: \*How ECMAScript 6 class syntax relates to more familiar JavaScript concepts \*What makes iterators and generators useful \*How arrow functions differ from regular functions \*Ways to store data with sets, maps, and more \*The power of inheritance \*How to improve asynchronous

programming with promises \*How modules change the way you organize code Whether you're a web developer or a Node.js developer, you'll find Understanding ECMAScript 6 indispensable on your journey from ECMAScript 5 to ECMAScript 6.

The Definitive Guide to AdonisJs-Christopher Pitt 2018-03-14 Learn everything you need to master the AdonisJs framework, including topics such as interacting with a database, rendering templates, writing asynchronous code, and hosting sites with SSL. Along the way, you'll see how to build a commerce application, which lists products and allows shoppers to register and purchase those products. The site will feature a product catalog, a shopping cart, user registration and login, and profile management. The Definitive Guide to AdonisJs also covers how to create a front-end build chain, so that you can use a modern front-end framework, such as React. You'll discover how to connect your front end to the server, so that data and transactions can be shared between the two. Finally, you'll see how to secure and deploy the application to a virtual private server, including how to apply for and install an SSL certificate and start accepting payments. After reading and using this book, you'll know all you need about AdonisJs. You'll have the tools to turn that side-project you've been thinking about into a real money-making product. It is written by a web expert and reviewed by the AdonisJs project lead. This is the complete start-to-finish guide you've been waiting for. What You'll Learn Set up Node.js and AdonisJs, so that you can start building your application Create and use views and template code Implement cooperative multitasking, in JavaScript Represent eventual values with AdonisJs promises Organize and isolate your code in controllers and decorate them with middleware, to do things like authentication Build queries, using the Lucid DSL, and package these database entities up into model classes Validate form data and respond with the appropriate error messages Respond to general framework errors with custom error pages Learn the deeper parts of sessions and cookies Update the state of the user interface with WebSockets Host AdonisJs applications in a modern hosting environment Who This Book Is For Readers should have a functional understanding of JavaScript.

Effective JavaScript-David Herman 2012-11-26 "It's uncommon to have a programming language wonk who can speak in such comfortable and friendly language as David does. His walk through the syntax and semantics of JavaScript is both charming and hugely insightful; reminders of gotchas complement realistic use cases, paced at a comfortable curve. You'll find when you finish the book that you've gained a strong and comprehensive sense of mastery." —Paul Irish, developer advocate, Google Chrome "This is not a book for those looking for shortcuts; rather it is hard-won experience distilled into a guided tour. It's one of the few books on JS that I'll recommend without hesitation." —Alex Russell, TC39 member, software engineer, Google In order to truly master JavaScript, you need to learn how to work effectively with the language's flexible, expressive features and how to avoid its pitfalls. No matter how long you've been writing JavaScript code, Effective JavaScript will help deepen your understanding of this powerful language, so you can build more predictable, reliable, and maintainable programs. Author David Herman, with his years of experience on Ecma's JavaScript standardization committee, illuminates the language's inner workings as never before—helping you take full advantage of JavaScript's expressiveness. Reflecting the latest versions of the JavaScript standard, the book offers well-proven techniques and best practices you'll rely on for years to come. Effective JavaScript is organized around 68 proven approaches for writing better JavaScript, backed by concrete examples. You'll learn how to choose the right programming style for each project, manage unanticipated problems, and work more successfully with every facet of JavaScript programming from data structures to concurrency. Key features include Better ways to use prototype-based object-oriented programming Subtleties and solutions for working with arrays and dictionary objects Precise and practical explanations of JavaScript's functions and variable scoping semantics Useful JavaScript programming patterns and idioms, such as options objects and method chaining In-depth guidance on using JavaScript's unique "run-to-completion" approach to concurrency

Definitive Guide to Excel VBA-Michael Kofler 2008-01-01 - Kofler's book offers more up-to-date coverage than other books on the market - Provides in-depth coverage of topics normally overlooked, such as the File Scripting Objects, accessing external databases using the ADO library, automating data analysis with pivot tables, and automating diagrams.

The Definitive Guide to NetBeans™ Platform 7-Heiko Bck 2012-01-24 The NetBeans Platform is the world's only modular Swing application framework, used by very large organizations in mission-critical scenarios, such as at Boeing and Northrop Grumman, as well as in the financial sector and in the oil/gas industry. For these large customers in enterprises who are increasingly interested in Maven and OSGi, the book will have particular relevance. The Definitive Guide to NetBeans™ Platform 7 is a thorough and authoritative introduction to the open-source NetBeans Platform, covering all its major APIs in detail, with relevant code examples used throughout. Provides a completely updated definitive guide to the NetBeans Platform, using the latest APIs, coding patterns, and methodologies. Focuses strongly on business features in an application, since Oracle's customers are particularly interested in business-related aspects. For example, how to use OSGi, how to add authentication/security, how to monetize from a modular application. The original German book on which this title is based was well received. The NetBeans Platform Community has put together this English translation, which covers the latest NetBeans Platform 7 APIs. With an introduction by known NetBeans Platform experts Jaroslav Tulach and Tim Boudreau, this is the most up-to-date book on this topic at the moment. All NetBeans Platform developers will gain something from this book, because several topics in the book have not been documented anywhere else.

The Definitive Guide to HTML5 Video-Silvia Pfeiffer 2011-08-04 Plugins will soon be a thing of the past. The Definitive Guide to HTML5 Video is the first authoritative book on HTML5 video, the new web standard that allows browsers to support audio and video elements natively. This makes it very easy for web developers to publish audio and video, integrating both within the general presentation of web pages. For example, media elements can be styled using CSS (style sheets), integrated into SVG (scalable vector graphics), and manipulated in a Canvas. The book offers techniques for providing accessibility to media elements, enabling consistent handling of alternative representations of media resources. The Definitive Guide to HTML5 Video dives deep into the markup that is introduced for media element support in browsers. You'll explore the default user interface offered through browsers for media elements, as well as the JavaScript API provided to control their behavior. You'll also learn how to account for H.264 and Ogg Theora codecs.

The Definitive Guide to Modern Java Clients with JavaFX-Stephen Chin 2019-11-12 Build enhanced visual experiences and design and deploy modern, easy-to-maintain, client applications across a variety of platforms. This book will show you how these applications can take advantage of the latest user interface components, 3D technology, and cloud services to create immersive visualizations and allow high-value data manipulation. The Definitive Guide to Modern Java Clients with JavaFX is a professional reference for building Java applications for desktop, mobile, and embedded in the Cloud age. It offers end-to-end coverage of the latest features in JavaFX and Java 13. After reading this book, you will be equipped to upgrade legacy client applications, develop cross-platform applications in Java, and build enhanced desktop and mobile native clients. What You Will Learn Create modern client applications in Java using the latest JavaFX and Java 13 Build enterprise clients that will enable integration with existing cloud services Use advanced visualization and 3D features Deploy on desktop, mobile, and embedded devices Who This Book Is For Professional Java developers who are interested in learning the latest client Java development techniques to fill out their skillset.

The Definitive Guide to Squarespace-Sarah Martin 2017-11-13 Utilize the power of Squarespace to create custom professional websites. Learn the principles and tools used by Squarespace's most successful web professionals to take your skills to the next level. Beginning with an overview of the Squarespace interface and template selection guidelines, this book shows you how the key web languages work together within Squarespace. You'll also see how to use the Custom CSS Editor, Code Injections, and Code Blocks to customize Squarespace templates and how the Style Editor selections affect the template's structure. Learn the accommodations that must be made in JavaScript for the customizations to work correctly in AJAX-based templates. Finally, discover what Developer Mode is, how to use it, and when to use it. The Definitive Guide to Squarespace is the only book you need to get up and running with Squarespace web development. What You'll Learn Choose the right selectors for your CSS or JavaScript customization. Understand what AJAX is and how it impacts the templates that use it. Explore the structure of Squarespace templates Who This Book Is For Web designers, developers, digital marketers, and advanced personal-use users

The Definitive Guide to Masonite-Christopher Pitt 2020-05-25 Build fast and effective applications using Masonite, a Python-based framework. This book covers creating a digital home assistant application, but it's certainly not the only kind of application you could build. By working on this kind of project, you'll cover the broad range of topics and requirements you're likely to find as you establish your own web empire. You'll see how Masonite is a developer-centric Python framework, which provides all the tools you'll need to build powerful and maintainable web applications. After reading and using this book, you'll have the tools to make and deploy your own web ecommerce application from scratch using the Masonite framework. What You Will Learn Customize your request and response cycle with middleware, route groups, and headers Add security into your application and protect against possible vulnerabilities Create and control your application's maintenance features from a terminal Manage a database, so your teammates and environments will always be in sync Represent relational database data with object-oriented programming techniques Read and write from the file system Process large datasets and slow operations in the background Add real-time features and recurring tasks to your application Who This Book Is For Web developers new to the Masonite framework. Some prior Python experience is helpful but is not required.

The Definitive Guide to HTML5 WebSocket-Vanessa Wang 2013-03-21 The Definitive Guide to HTML5 WebSocket is the ultimate insider's WebSocket resource. This revolutionary new web technology enables you to harness the power of true real-time connectivity and build responsive, modern web applications. This book contains everything web developers and architects need to know about WebSocket. It discusses how WebSocket-based architectures provide a dramatic

reduction in unnecessary network overhead and latency compared to older HTTP (Ajax) architectures, how to layer widely used protocols such as XMPP and STOMP on top of WebSocket, and how to secure WebSocket connections and deploy WebSocket-based applications to the enterprise. Build real-time web applications with HTML5. This book: Introduces you to the WebSocket API and protocol Describes and provides real-world examples of protocol communication over WebSocket Explains WebSocket security and enterprise deployment

The Definitive Guide to Firebase-Laurence Moroney 2017-11-10 Plan how to build a better app, grow it into a business, and earn money from your hard work using Firebase. In this book, Laurence Moroney, Staff Developer Advocate at Google, takes you through each of the 15 Firebase technologies, showing you how to use them with concrete examples. You'll see how to build cross-platform apps with the three pillars of the Firebase platform: technologies to help you develop apps with a real-time database, remote configuration, cloud messaging, and more; grow your apps with user sharing, search integration, analytics, and more; and earn from your apps with in-app advertising. After reading The Definitive Guide to Firebase, you'll come away empowered to make the most of this technology that helps you build better cross-platform mobile apps using either native Android or JavaScript-based web apps and effectively deploy them in a cloud environment. What You'll Learn Use the real-time database for a codeless middleware that gives online and offline data for syncing across your users' devices Master Firebase Cloud Messaging, a technology that delivers to connected devices in less than 500ms Grow your app organically with technologies such App Indexing, App Invites, and Dynamic Links Understand problems when they arise with crash reporting Fix user problems without direct access to users' devices Tie it all together with analytics that give you great intelligence about how users interact with your app Who This Book Is For Experienced Android, mobile app developers new to Firebase. This book is also for experienced web developers looking to build and deploy web apps for smartphones and tablets, too, who may be new or less experienced with mobile programming.

Hadoop: The Definitive Guide-Tom White 2009-05-29 Hadoop: The Definitive Guide helps you harness the power of your data. Ideal for processing large datasets, the Apache Hadoop framework is an open source implementation of the MapReduce algorithm on which Google built its empire. This comprehensive resource demonstrates how to use Hadoop to build reliable, scalable, distributed systems: programmers will find details for analyzing large datasets, and administrators will learn how to set up and run Hadoop clusters. Complete with case studies that illustrate how Hadoop solves specific problems, this book helps you: Use the Hadoop Distributed File System (HDFS) for storing large datasets, and run distributed computations over those datasets using MapReduce Become familiar with Hadoop's data and I/O building blocks for compression, data integrity, serialization, and persistence Discover common pitfalls and advanced features for writing real-world MapReduce programs Design, build, and administer a dedicated Hadoop cluster, or run Hadoop in the cloud Use Pig, a high-level query language for large-scale data processing Take advantage of HBase, Hadoop's database for structured and semi-structured data Learn ZooKeeper, a toolkit of coordination primitives for building distributed systems If you have lots of data -- whether it's gigabytes or petabytes -- Hadoop is the perfect solution. Hadoop: The Definitive Guide is the most thorough book available on the subject. "Now you have the opportunity to learn about Hadoop from a master-not only of the technology, but also of common sense and plain talk."-- Doug Cutting, Hadoop Founder, Yahoo!

CouchDB: The Definitive Guide-J. Chris Anderson 2010-01-19 Three of CouchDB's creators show you how to use this document-oriented database as a standalone application framework or with high-volume, distributed applications. With its simple model for storing, processing, and accessing data, CouchDB is ideal for web applications that handle huge amounts of loosely structured data. That alone would stretch the limits of a relational database, yet CouchDB offers an open source solution that's reliable, scales easily, and responds quickly. CouchDB works with self-contained data that has loose or ad-hoc connections. It's a model that fits many real-world items, such as contacts, invoices, and receipts, but you'll discover that this database can easily handle data of any kind. With this book, you'll learn how to work with CouchDB through its RESTful web interface, and become familiar with key features such as simple document CRUD (create, read, update, delete), advanced MapReduce, deployment tuning, and more. Understand the basics of document-oriented storage and manipulation Interact with CouchDB entirely through HTTP using its RESTful interface Model data as self-contained JSON documents Handle evolving data schemas naturally Query and aggregate data in CouchDB using MapReduce views Replicate data between nodes Tune CouchDB for increased performance and reliability The Definitive Guide to CentOS-Peter Membrey 2009-08-15 CentOS is just like Red Hat, but without the price tag and with the virtuous license. When belts have to be tightened, we want to read about an OS with all the features of a commercial Linux variety, but without the pain. The Definitive Guide to CentOS is the first definitive reference for CentOS and focuses on CentOS alone, the workhorse Linux distribution, that does the heavy lifting in small and medium-size enterprises without drawing too much attention to itself. Provides tutorial and hands-on learning but is also designed to be used as a reference Bases all examples on real-world tasks that readers are likely to perform Serves up hard-won examples and hints and tips from the author's experiences of CentOS in production

HTTP-David Gourley 2002-09-27 Covers topics including HTTP methods and status codes, optimizing proxies, designing web crawlers, content negotiation, and load-balancing strategies.

The Definitive Guide to AWS Infrastructure Automation-Bradley Campbell 2019-12-25 Discover the pillars of AWS infrastructure automation, starting with API-driven infrastructure concepts and its immediate benefits such as increased agility, automation of the infrastructure life cycle, and flexibility in experimenting with new architectures. With this base established, the book discusses infrastructure-as-code concepts in a general form, establishing principled outcomes such as security and reproducibility. Inescapably, we delve into how these concepts enable and underpin the DevOps movement. The Definitive Guide to AWS Infrastructure Automation begins by discussing services and tools that enable infrastructure-as-code solutions; first stop: AWS's CloudFormation service. You'll then cover the ever-expanding ecosystem of tooling emerging in this space, including CloudFormation wrappers such as Troposphere and orchestrators such as Sceptre, to completely independent third-party tools such as Terraform and Pulumi. As a bonus, you'll also work with AWS' newly-released CDK (Cloud Development Kit). You'll then look at how to implement modular, robust, and extensible solutions across a few examples -- in the process building out each solution with several different tools to compare and contrast the strengths and weaknesses of each. By the end of the journey, you will have gained a wide knowledge of both the AWS-provided and third-party ecosystem of infrastructure-as-code/provisioning tools, and the strengths and weaknesses of each. You'll possess a mental framework for how to craft an infrastructure-as-code solution to solve future problems based on examples discussed throughout the book. You'll also have a demonstrable understanding of the hands-on operation of each tool, situational appropriateness of each tool, and how to leverage the tool day to day. What You Will Learn Discover the technological and organizational benefits to infrastructure-as-code solutions Examine the overall landscape of infrastructure-as-code tooling and solutions available to consumers of AWS services See the strengths and weaknesses of these tools relative to one another as examined through hands-on implementation of several solutions Gain hands-on experience, best practices, and tips and tricks learned through several years' real-world experience delivering solutions using these very tools in a wide variety of scenarios Engineer solid solutions that leave room for new requirements and changes without requiring needless refactoring Who This Book Is For DevOps engineers, cloud engineers and architects focused on the AWS ecosystem, software engineers/developers working within the AWS ecosystem, and engineering leaders looking for best practices.

The Definitive Guide to MongoDB-David Hows 2013-11-04 The Definitive Guide to MongoDB, Second Edition, is updated for the latest version and includes all of the latest MongoDB features, including the aggregation framework introduced in version 2.2 and hashed indexes in version 2.4. MongoDB is the most popular of the "Big Data" NoSQL database technologies, and it's still growing. David Hows from 10gen, along with experienced MongoDB authors Peter Membrey and Eelco Plugge, provide their expertise and experience in teaching you everything you need to know to become a MongoDB pro. What you'll learn Set up MongoDB on all major server platforms, including Windows, Linux, OS X, and cloud platforms like Rackspace, Azure, and Amazon EC2 Work with GridFS and the new aggregation framework Work with your data using non-SQL commands Write applications using either PHP or Python Optimize MongoDB Master MongoDB administration, including replication, replication tagging, and tag-aware sharding Who this book is for Database admins and developers who need to get up to speed on MongoDB and its Big Data, NoSQL approach to dealing with data management. Table of ContentsPart I: MongoDB Basics Ch. 1: Introduction to MongoDB Ch. 2: Installing MongoDB Ch. 3: The Data Model Ch. 4: Working with Data Ch. 5: GridFS Part II: Developing with MongoDB Ch. 6: PHP and MongoDB Ch. 7: Python and MongoDB Ch. 8: Advanced Queries Part III: Advanced MongoDB with Big Data Ch. 9: Database Administration Ch. 10: Optimization Ch. 11: Replication Ch. 12: Sharding

The Definitive Guide to Catalyst-Kieren Diment 2009-09-02 Learn to build web applications with Catalyst, the popular open source web framework based on the Perl programming language. The Definitive Guide to Catalyst: Writing Extendable, Scalable, and Maintainable Perl-Based Web Applications is a definitive guide to Catalyst version 5.8. This book contains Training materials for new and experience programmers. Worked examples and cookbook-style recipes of common web application programming tasks Fundamentals of web application design and best-practice application style

The Definitive Guide to Spring Batch-Michael T. Minella 2019-07-08 Work with all aspects of batch processing in a modern Java environment using a selection of Spring frameworks. This book provides up-to-date examples using the latest configuration techniques based on Java configuration and Spring Boot. The Definitive Guide to Spring Batch takes you from the "Hello, World!" of batch processing to complex scenarios demonstrating cloud native techniques for developing batch applications to be run on modern platforms. Finally this book demonstrates how you can use areas of the Spring portfolio beyond just Spring Batch 4 to collaboratively develop mission-critical batch processes. You'll see how a new class of use cases and platforms has evolved to have an impact on

batch-processing. Data science and big data have become prominent in modern IT and the use of batch processing to orchestrate workloads has become commonplace. The Definitive Guide to Spring Batch covers how running finite tasks on cloud infrastructure in a standardized way has changed where batch applications are run. Additionally, you'll discover how Spring Batch 4 takes advantage of Java 9, Spring Framework 5, and the new Spring Boot 2 micro-framework. After reading this book, you'll be able to use Spring Boot to simplify the development of your own Spring projects, as well as take advantage of Spring Cloud Task and Spring Cloud Data Flow for added cloud native functionality. Includes a foreword by Dave Syer, Spring Batch project founder. What You'll Learn Discover what is new in Spring Batch 4 Carry out finite batch processing in the cloud using the Spring Batch project Understand the newest configuration techniques based on Java configuration and Spring Boot using practical examples Master batch processing in complex scenarios including in the cloud Develop batch applications to be run on modern platforms Use areas of the Spring portfolio beyond Spring Batch to develop mission-critical batch processes Who This Book Is For Experienced Java and Spring coders new to the Spring Batch platform. This definitive book will be useful in allowing even experienced Spring Batch users and developers to maximize the Spring Batch tool.

Speaking JavaScript-Axel Rauschmayer 2014-02-25 Like it or not, JavaScript is everywhere these days—from browser to server to mobile—and now you, too, need to learn the language or dive deeper than you have. This concise book guides you into and through JavaScript, written by a veteran programmer who once found himself in the same position. Speaking JavaScript helps you approach the language with four standalone sections. First, a quick-start guide teaches you just enough of the language to help you be productive right away. More experienced JavaScript programmers will find a complete and easy-to-read reference that covers each language feature in depth. Complete contents include: JavaScript quick start: Familiar with object-oriented programming? This part helps you learn JavaScript quickly and properly. JavaScript in depth: Learn details of ECMAScript 5, from syntax, variables, functions, and object-oriented programming to regular expressions and JSON with lots of examples. Pick a topic and jump in. Background: Understand JavaScript's history and its relationship with other programming languages. Tips, tools, and libraries: Survey existing style guides, best practices, advanced techniques, module systems, package managers, build tools, and learning resources.

Spark: The Definitive Guide-Bill Chambers 2018-02-08 Learn how to use, deploy, and maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break down Spark topics into distinct sections, each with unique goals. You'll explore the basic operations and common functions of Spark's structured APIs, as well as Structured Streaming, a new high-level API for building end-to-end streaming applications. Developers and system administrators will learn the fundamentals of monitoring, tuning, and debugging Spark, and explore machine learning techniques and scenarios for employing MLlib, Spark's scalable machine-learning library. Get a gentle overview of big data and Spark Learn about DataFrames, SQL, and Datasets—Spark's core APIs—through worked examples Dive into Spark's low-level APIs, RDDs, and execution of SQL and DataFrames Understand how Spark runs on a cluster Debug, monitor, and tune Spark clusters and applications Learn the power of Structured Streaming, Spark's stream-processing engine Learn how you can apply MLlib to a variety of problems, including classification or recommendation

The Definitive Guide to AWS Application Integration-Jyothi Prasad Buddha 2019-12-17 Build reliable, asynchronous, and distributed applications using message queuing and task orchestration capabilities of Amazon Web Services (AWS) Application Integration. This book prepares you to build distributed applications and administrators, and manage queues, workflows, and state machines. You'll start by reviewing key AWS prerequisite services such as EC2, Lambda, S3, DynamoDB, CloudWatch, and IAM. Simple Queue Service (SQS) and SNS Simple Notification Service (SNS) are then covered to show how applications interact with each other in a reliable and resilient fashion. Next, workflow building with (Simple Workflow Service (SWF) for orchestration of tasks is explained and in the final chapter learn the techniques for building a state using Step Functions, Simple Workflow Service along with Flow Framework. The book illustrates all the concepts using numerous examples that work with SDK, CLI, and Console. Most of the code examples are in Java, followed by Python and JavaScript. What You Will Learn Understand the important prerequisites of AWS, such as EC2, Lambda, S3, and DynamoDB Work with SQS, SNS, and SWS functions Review Step functions Who This Book Is For AWS developers and software developers proficient in Java, Python and JavaScript.

MongoDB: The Definitive Guide-Kristina Chodorow 2013-05-10 Manage the huMONGOus amount of data collected through your web application with MongoDB. This authoritative introduction—written by a core contributor to the project—shows you the many advantages of using document-oriented databases, and demonstrates how this reliable, high-performance system allows for almost infinite horizontal scalability. This updated second edition provides guidance for database developers, advanced configuration for system administrators, and an overview of the concepts and use cases for other people on your project. Ideal for NoSQL newcomers and experienced MongoDB users alike, this guide provides numerous real-world schema design examples. Get started with MongoDB core concepts and vocabulary Perform basic write operations at different levels of safety and speed Create complex queries, with options for limiting, skipping, and sorting results Design an application that works well with MongoDB Aggregate data, including counting, finding distinct values, grouping documents, and using MapReduce Gather and interpret statistics about your collections and databases Set up replica sets and automatic failover in MongoDB Use sharding to scale horizontally, and learn how it impacts applications Delve into monitoring, security and authentication, backup/restore, and other administrative tasks

Kafka: The Definitive Guide-Neha Narkhede 2017-08-31 Every enterprise application creates data, whether it's log messages, metrics, user activity, outgoing messages, or something else. And how to move all of this data becomes nearly as important as the data itself. If you're an application architect, developer, or production engineer new to Apache Kafka, this practical guide shows you how to use this open source streaming platform to handle real-time data feeds. Engineers from Confluent and LinkedIn who are responsible for developing Kafka explain how to deploy production Kafka clusters, write reliable event-driven microservices, and build scalable stream-processing applications with this platform. Through detailed examples, you'll learn Kafka's design principles, reliability guarantees, key APIs, and architecture details, including the replication protocol, the controller, and the storage layer. Understand publish-subscribe messaging and how it fits in the big data ecosystem. Explore Kafka producers and consumers for writing and reading messages Understand Kafka patterns and use-case requirements to ensure reliable data delivery Get best practices for building data pipelines and applications with Kafka Manage Kafka in production, and learn to perform monitoring, tuning, and maintenance tasks Learn the most critical metrics among Kafka's operational measurements Explore how Kafka's stream delivery capabilities make it a perfect source for stream processing systems

JavaScript Bible-Danny Goodman 2007-07-02 Make your Web pages stand out above the noise with JavaScript and the expert instruction in this much-anticipated update to the bestselling JavaScript Bible. With renowned JavaScript expert Danny Goodman at your side, you'll get a thorough grounding in JavaScript basics, see how it fits with current Web browsers, and find all the soup-to-nuts detail you'll need. Whether you're a veteran programmer or just starting out, this is the JavaScript book Web developers turn to again and again. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

JavaScript-T. J. Crowder 2020-07-28 All of JavaScript's newest features, in depth, made easy to understand. JavaScript is a rapidly changing language and it can be challenging to keep up with all the new toys being added. JavaScript: The New Toys explores the newest features of the world's most popular programming language while also showing readers how to track what's coming next. After setting the stage by covering who manages the process of improving JavaScript, how new features get introduced, terminology, and a high-level overview of new features, it details each new or updated item in depth, with example uses, possible pitfalls, and expert recommendations for updating old habits in light of new features. JavaScript: The New Toys: Covers all the additions to JavaScript in ES2015-ES2019 plus a preview of ES2020 (and beyond) Explores the latest syntax: nullish coalescing, optional chaining, let and const, class syntax, private methods, private fields, new.target, numeric separators, BigInt, destructuring, default parameters, arrow functions, async functions, await, generator functions, ... (rest and spread), template literals, binary and octal literals, \*\* (exponentiation), computed property/method names, for-of, for-await-of, shorthand properties, and others Details the new features and patterns including modules, promises, iteration, generators, Symbol, Proxy, reflection, typed arrays, Atomics, shared memory, WeakMap, WeakSet, and more Highlights common pitfalls and explains how to avoid them Shows how to follow the improvements process and even participate in the process yourself Explains how to use new features even before they're widely supported With its comprehensive coverage and friendly, accessible style, JavaScript: The New Toys provides an invaluable resource for programmers everywhere, whether they work in web development, Node.js, Electron, Windows Universal Apps, or another JavaScript environment.

Eloquent JavaScript-Marijn Haverbeke 2011-01-15 JavaScript is at the heart of almost every modern Web application, whether it's Google Apps, Twitter, or the newest browser-based game. Though it's simple for beginners to pick up and play with, JavaScript is not a toy—it's a flexible and complex language that can be used to build full-scale applications. Eloquent JavaScript dives into this flourishing language and teaches you to write code that's beautiful and effective. By immersing you in example code and encouraging experimentation right from the start, the author quickly gives you the tools you need to build your own programs. As you follow along with examples like an artificial life simulation and a version of the classic game Sokoban, you'll learn to: -Understand the essential elements of programming: syntax, control, and data -Use object-oriented and functional programming techniques to organize and clarify your programs -Script the browser and make basic Web applications -Work with tools like regular expressions and XMLHttpRequest objects And since programming is an art that's best learned by doing, all example code is available online in an interactive sandbox for you to experiment with. With Eloquent JavaScript as your

guide, you can tweak, expand, and modify the author's code, or throw it away and build your own creations from scratch. Before you know it, you'll be fluent in the language of the Web.

**Cassandra: The Definitive Guide**-Jeff Carpenter 2016-06-29 Imagine what you could do if scalability wasn't a problem. With this hands-on guide, you'll learn how the Cassandra database management system handles hundreds of terabytes of data while remaining highly available across multiple data centers. This expanded second edition—updated for Cassandra 3.0—provides the technical details and practical examples you need to put this database to work in a production environment. Authors Jeff Carpenter and Eben Hewitt demonstrate the advantages of Cassandra's non-relational design, with special attention to data modeling. If you're a developer, DBA, or application architect looking to solve a database scaling issue or future-proof your application, this guide helps you harness Cassandra's speed and flexibility. Understand Cassandra's distributed and decentralized structure Use the Cassandra Query Language (CQL) and cqlsh—the CQL shell Create a working data model and compare it with an equivalent relational model Develop sample applications using client drivers for languages including Java, Python, and Node.js Explore cluster topology and learn how nodes exchange data Maintain a high level of performance in your cluster Deploy Cassandra on site, in the Cloud, or with Docker Integrate Cassandra with Spark, Hadoop, Elasticsearch, Solr, and Lucene

**Modern JavaScript for the Impatient**-Cay S. Horstmann 2020-03-17 8+ Hours of Video Instruction It can be difficult for developers familiar with Java and other languages to make the transition to modern JavaScript. If you simply want to be productive with JavaScript as it exists today, then you don't want to relive history with books or courses that teach older JavaScript versions, or that assume familiarity with those older versions and focus on recently introduced features. This course assumes that you are a competent programmer who understands branches and loops, functions, data structures, and the basics of object-oriented programming. You will get up to speed with modern JavaScript in the shortest possible time. Description Modern JavaScript for the Impatient LiveLessons focuses on how to be productive with JavaScript as it exists today. After reviewing the fundamentals of values, variables, and control flow, the video thoroughly covers functions, objects, and classes. The standard library and the most commonly used tools are also covered, as well as key topics related to asynchronous programming, internationalization, and modules. Related Content This training pairs with Cay Horstmann's book Modern JavaScript for the Impatient (9780136502142) About the Instructor Cay S. Horstmann is a professor of computer science at San Jose State University and a Java Champion. He is also the author of Core Java, Volume II, Fundamentals, Eleventh Edition (2019); Core Java, Volume I, Fundamentals, Eleventh Edition (2018); Core Java SE 9 for the Impatient, Second Edition (2018); Java SE 8 for the Really Impatient (2014); and Scala for the Impatient (2012). He has written more than a dozen other books for professional programmers and computer science students. What You Will Learn After starting with the basics-JavaScript values, variables, and types, and a quick overview of expressions and the various type of flow control statements-Horstmann shows viewers how to implement functions that consume and produce other functions and how to use closures to implement a form of classes before moving on to more advanced topics including: Object-oriented programming with modern JavaScript (classes and inheritance and how these are implemented with prototypes) The standard library (numbers and dates, strings and regular expressions, as well as arrays and collections.) Metaprogramming, iterators, and generators (a powerful mechanism to bridge between linear and event-driven control flow) How to use proxies to inter...

**The Definitive Guide to Java Swing**-John Zukowski 2006-11-02 Fully updated for the Java 2 Platform, Standard Edition version 5.0, the third edition of this praised book is a one-stop resource for serious Java developers. This book shows you the parts of Java Swing API that you will use daily to create graphical user interfaces (GUI). You will also learn about the Model-View-Controller architecture that lies behind all Swing components, and about customizing components for specific environments. Author John Zukowski also provides custom editors and renderers for use with tables, trees, and list components. You'll encounter an overview of Swing architecture, and learn about core Swing components, toggleable components, event handling with the Swing Component Set, Swing menus and toolbars, borders, pop-ups, choosers, and more.

**Elasticsearch: The Definitive Guide**-Clinton Gormley 2015-01-23 Whether you need full-text search or real-time analytics of structured data—or both—the Elasticsearch distributed search engine is an ideal way to put your data to work. This practical guide not only shows you how to search, analyze, and explore data with Elasticsearch, but also helps you deal with the complexities of human language, geolocation, and relationships. If you're a newcomer to both search and distributed systems, you'll quickly learn how to integrate Elasticsearch into your application. More experienced users will pick up lots of advanced techniques. Throughout the book, you'll follow a problem-based approach to learn why, when, and how to use Elasticsearch features. Understand how Elasticsearch interprets data in your documents Index and query your data to take advantage of search concepts such as relevance and word proximity Handle human language through the effective use of analyzers and queries Summarize and group data to show overall trends, with aggregations and analytics Use geo-points and geo-shapes—Elasticsearch's approaches to geolocation Model your data to take advantage of Elasticsearch's horizontal scalability Learn how to configure and monitor your cluster in production

**Mooting**-Eric Baskind 2017-08-16 Mooting offers an excellent opportunity to develop your skills in an enjoyable, interactive and challenging way. Participation in mootings can lead to improved academic performance, enhancing your knowledge and your ability to handle complex legal materials as well as improving the power of your persuasive argument and vital skills, which will enhance your profile for prospective employers. In this book, Eric Baskind provides a seamless and comprehensive examination of the various areas involved in mootings and advocacy, combining both theoretical and practical aspects as well as the organisation of and participation in mootings competitions. Online video footage of an actual moot brings the practical nature of mootings alive and will give you expert advice and analysis of successful mootings technique as well as tips for improvement. Each moot video is highlighted at various points of interest to provide expert commentary and analysis of the mooters' presentation, identifying the mooters' strengths and weaknesses and how successfully they use cases and other materials to support their argument. These sections will then be re-enacted, incorporating the suggestions for improvements to help you to see how the overall performance could have been improved. This definitive guide will equip you with a complete grasp of mootings from the initial preparatory stages through to advocacy in the moot itself.

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