

JavaScript Definitive Guide

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Expert JavaScript

CouchDB: The Definitive Guide

Written by the Redis dream team—including its creator, key developers, and the community

itself—this book provides the details you need to implement this advanced key-value data store quickly and discerningly. Database administrators, architects, and programmers will learn how to work with different data structures in Redis, how to handle memory, replication, and the cache itself, and how to implement messaging, using just the shell or programming APIs in Ruby, Python, and JavaScript. Whether you're new to Redis or have been using this data store for some time, *Redis: The Definitive Guide* will show you the best programming patterns and practices for building high-performance, high volume applications with Redis, one of the most popular of the tools put under the rubric of NoSQL. You'll also get a collection of recipes to help you solve scores of common problems. Discover why Redis is one of the most popular solutions to deal with big data problems.

Beginning JavaScript

Intended for Java programmers writing applications or applets involving graphics or graphical user interfaces and is a companion to the book entitled, "Java in a Nutshell, 3rd ed."

The Principles of Object-Oriented JavaScript

Expert JavaScript is your definitive guide to understanding how and why JavaScript behaves the way it does. Master the inner workings of JavaScript by learning in detail how modern applications are

made. In covering lesser-understood aspects of this powerful language and truly understanding how it works, your JavaScript code and programming skills will improve. You will learn about core fundamentals of JavaScript, including deep dives into functions, scopes, closures, and practical object-oriented code. Mark Daggett explains clearly how closures, events, and asynchronous code really operate, as well as conventions and concepts to write JavaScript in a clear, pragmatic style. Many of the changes in ECMAScript6 and its implications are all explained. You'll be introduced to modern workflow tools to make application development faster, more enjoyable, and ostensibly more profitable. You'll understand how to measure code quality and write more testable JavaScript, and finally you'll learn about real-world applications of JavaScript, including JavaScript-powered robots. JavaScript is one of the most powerful languages on the web today, and it is only getting stronger. This book will take you through the process of planning, coding, testing, profiling and finally releasing your application, at expert level. With more frameworks and more improvements than ever, now is the time to become an expert at JavaScript. Make this journey - use Expert JavaScript today. What you'll learn

- What is really going on underneath functions, in arguments, types, coercion, and scope
- How closures, events, and asynchronous code work at a fundamental level
- How to understand advanced topics including promise objects, coroutines, and generators
- How to apply this newfound knowledge pragmatically to build the very best modern JavaScript applications

Who this book is for This book is for the experienced JavaScript programmer who

wants to understand the how and why of their code in order to become a better developer. This book is not intended to teach JavaScript at a syntactical level, but instead delve deep into the code - the philosophy, the reasoning and the detailed expert-level knowledge behind it. This newfound knowledge will enable the reader to build the very best modern JavaScript applications. It is for anyone who wants to become a better programmer by understanding at a very high level how the code works. Table of Contents Objects and Prototypes Functions Getting Closure JavaScript Slang Living Asynchronously JavaScript IRL Pragmatic JavaScript Style Workflow Code Quality Improving Testability

The Coding Using Javascript

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

Ajax

This is an exciting time to learn JavaScript. Now that the latest JavaScript specification—ECMAScript 6.0 (ES6)—has been finalized, learning how to develop high-quality applications with this language is easier and more satisfying than ever. This practical book takes programmers (amateurs and pros alike) on a no-nonsense tour of ES6, along with some related tools and techniques. Author Ethan Brown (Web Development with Node and Express) not only guides you through simple and straightforward topics (variables, control flow, arrays), but also covers complex concepts such as functional and asynchronous programming. You'll learn how to create powerful and responsive web applications on the client, or with Node.js on the server. Use ES6 today and transcompile code to portable ES5. Translate data into a format that JavaScript can use. Understand the basic usage and mechanics of JavaScript functions. Explore objects and object-oriented programming. Tackle new concepts such as iterators, generators, and proxies. Grasp the complexities of asynchronous programming. Work with

the Document Object Model for browser-based apps
Learn Node.js fundamentals for developing server-side applications

HTTP

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.

ActionScript

Understand everything you need to know about Oracle's Integration Cloud Service and how to utilize it optimally for your business About This Book The only guide to Integration Cloud Service in the market Focused on practical action to deliver business value A professional's guide to an expensive product, providing comprehensive training, and showing how to extract real business value from the product Who This Book Is For This book is ideal for any IT professional working with ICS, any Oracle application or cloud solution developer or analyst who wants to work with ICS to deliver business value. What You Will Learn Use ICS to integrate different systems together without needing to be a developer Gain understanding of what a number of technologies and standards provide - without needing to understand the fine details of those standards and technologies Understand the use of connectors that Oracle provide from technology based connections such as file and database connections to SaaS solutions ranging from Salesforce to Twitter Enrich data and extend SaaS integration to route to different instances Utilize a number of tools to help develop and check that your integrations work before connecting to live systems Introduce and explain integration concepts so that the integrations created are maintainable and sustainable for the longer term Provide details on how to keep up

to date with the features that Oracle and partners provide in the future. Get special connections developed to work with ICS. In Detail Businesses are built on data, and applications that access that data. In modern businesses the same cloud-based data stores and applications might be accessed by hundreds of different applications from thousands of different devices via APIs. To make this happen, APIs must be wired together i.e. integrated. Oracle Integration Cloud Service provides a complete method for integrating enterprise applications in the cloud. Integration Cloud Service (ICS) provides a cloud hosted means to integrate systems together using a graphical means to define and represent integrations. This book will be a comprehensive, hands-on guide to building successful, high-availability integrations on ICS. This book sets out to demonstrate how ICS can be used to effectively implement integrations that work both in the cloud and on premise. It starts with a fast, practical introduction to what ICS can do for your business and then shows how ICS allows you to develop integrations not only quickly but in a way that means they are maintainable and extensible. Gradually it moves into more advanced integrations, showing how to achieve sophisticated results with ICS and work with external applications. Finally the book shows you how to monitor cloud apps and go beyond ICS to build even more powerful integrated applications. By the end of the book, you will have the knowledge on how to use ICS to solve your own integration needs and harness the technologies in a maintainable and sustainable manner. Style and approach This book will take a pragmatic approach and will be a business-focused guide to delivering

business value with ICS.

JavaScript: The Good Parts

Master Meteor (MeteorJS) and build powerful prototypes and develop cross-platform (iOS, Android, Web) code. There are ten topics within this course which cover this powerful JavaScript web framework written in Node.js: Introducing Meteor . Be able to explain Meteor and its functionality in this first topic in the MeteorJS course. Follow along with Ahmed and install all of the necessary software. Meteor Collections and Schemas . Practice creating and using collections and schemas in this second topic in the MeteorJS course. Apply one use of collections which is to access MongoDB data. Meteor Subscription and Publication . Apply subscription and publication in this third topic in the MeteorJS course. Meteor Methods . Practice creating and using methods in this fourth topic in the MeteorJS course. Follow along with Ahmed and apply security and error handling using methods. Routing in Meteor . Apply routing in this fifth topic in the MeteorJS course. Follow along with Ahmed and install the necessary packages and then practice routing functionality. Introducing Blaze . Install and apply Blaze in this sixth topic in the MeteorJS course. Follow along with Ahmed and create user interfaces using this powerful library. Introducing Vue . Install and apply Vue in combination with Meteor in this seventh topic in the MeteorJS course. Follow along with Ahmed and create user interfaces using this powerful library. Managing Users and their Accounts in Meteor . Manage users and their accounts in

Meteor in this eighth topic in the MeteorJS course. Follow along with Ahmed and practice applying user processes in Meteor such as password resets. Building a Complete Application in Meteor . Apply all of the techniques learned so far in the class and build a complete application in Meteor in this ninth topic in the MeteorJS course. Meteor Course Summary . Key learnings are recapped in this tenth topic in the MeteorJS course.

The Definitive Guide to Modern Java Clients with JavaFX

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.

JavaScript Everywhere

Django, the Python-based Web development framework, is one of the hottest topics in Web development today. Its creator (and co-author of this book) Adrian Holovaty has built a compelling array of Web applications using Django, including <http://chicagocrime.org>. Django creator Adrian Holovaty and lead developer Jacob Kaplan-Moss have created this book as the definitive guide to the technology. Beginning with fundamentals such as installation and configuration, the book tackles sophisticated features of Django, such as outputting non-HTML content such as RSS feeds and PDFs, caching, and user management. Also includes a detailed reference to Django's many configuration options and commands.

Implementing Oracle Integration Cloud Service

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 NetBeans™ Platform 7

This Fifth Edition is completely revised and expanded to cover JavaScript as it is used in today's Web 2.0 applications. This book is both an example-driven programmer's guide and a keep-on-your-desk reference, with new chapters that explain everything you need to know to get the most out of JavaScript, including:

- Scripted HTTP and Ajax XML processing
- Client-side graphics using the canvas tag
- Namespaces in JavaScript--essential when writing complex programs
- Classes, closures, persistence, Flash, and JavaScript embedded in Java applications

Part I explains the core JavaScript language in detail. If you are new to JavaScript, it will teach you the language.

If you are already a JavaScript programmer, Part I will sharpen your skills and deepen your understanding of the language. Part II explains the scripting environment provided by web browsers, with a focus on DOM scripting with unobtrusive JavaScript. The broad and deep coverage of client-side JavaScript is illustrated with many sophisticated examples that demonstrate how to:

- Generate a table of contents for an HTML document
- Display DHTML animations
- Automate form validation
- Draw dynamic pie charts
- Make HTML elements draggable
- Define keyboard shortcuts for web applications
- Create Ajax-enabled tool tips
- Use XPath and XSLT on XML documents loaded with Ajax

And much more. Part III is a complete reference for core JavaScript. It documents every class, object, constructor, method, function, property, and constant defined by JavaScript 1.5 and ECMAScript Version 3. Part IV is a reference for client-side JavaScript, covering legacy web browser APIs, the standard Level 2 DOM API, and emerging standards such as the XMLHttpRequest object and the canvas tag. More than 300,000 JavaScript programmers around the world have made this their indispensable reference book for building JavaScript applications. "A must-have reference for expert JavaScript programmers—well-organized and detailed." -- Brendan Eich, creator of JavaScript

The Definitive Guide to HTML5

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.

JavaScript

JavaScript is the little scripting language that could. Once used chiefly to add interactivity to web browser windows, JavaScript is now a primary building block of powerful and robust applications. In this practical book, new and experienced JavaScript developers will learn how to use this language to create APIs as well as web, mobile, and desktop applications. Author and engineering leader Adam D. Scott covers technologies

such as Node.js, GraphQL, React, React Native, and Electron. Ideal for developers who want to build full stack applications and ambitious web development beginners looking to bootstrap a startup, this book shows you how to create a single CRUD-style application that will work across several platforms. Explore GraphQL's simple process for querying data Learn about shared authentication for APIs, web apps, and native applications Build performant web applications with React and Styled Components Use React Native to write cross-platform applications for iOS and Android that compile to native code Learn how to write desktop applications with Electron

JavaScript Series

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: The Definitive Guide

If you've used a more traditional object-oriented language, such as C++ or Java, JavaScript probably doesn't seem object-oriented at all. It has no concept of classes, and you don't even need to define any objects in order to write code. But don't be fooled—JavaScript is an incredibly powerful and expressive object-oriented language that puts many design decisions right into your hands. In *The Principles of Object-Oriented JavaScript*, Nicholas C. Zakas thoroughly explores JavaScript's object-oriented nature, revealing the language's unique implementation of inheritance and other key characteristics. You'll learn:

- The difference between primitive and reference values
- What makes JavaScript functions so unique
- The various ways to create objects
- How to define your own constructors
- How to work with and understand prototypes
- Inheritance patterns for types and objects

The Principles of Object-Oriented JavaScript will leave even experienced developers with a deeper understanding of JavaScript. Unlock the secrets

behind how objects work in JavaScript so you can write clearer, more flexible, and more efficient code.

Learning JavaScript

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.

Closure: The Definitive Guide

What will you learn from this book? This brain-friendly guide teaches you everything from JavaScript language fundamentals to advanced topics, including objects, functions, and the browser's document object model. You won't just be reading—you'll be playing games, solving puzzles, pondering mysteries, and interacting with JavaScript in ways you never imagined. And you'll write real code.

The Definitive Guide to Django

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.

JavaScript Web Applications

Macromedia Flash is the de facto standard for delivering web-based multimedia to over 250 million users worldwide. *ActionScript : The Definitive Guide* is dedicated entirely to documenting ActionScript, Flash's object-oriented programming language. It goes beyond the hype and buzzwords to give web developers the fundamental tools for creating advanced web sites. It is targeted at both Flash developers who are new to programming and existing JavaScript programmers migrating their skills to ActionScript (both languages are based on the ECMAScript standard). Colin Moock's ability to relate his exhaustive knowledge in practical and accessible terms has earned him wide acclaim in the Flash community. *ActionScript : The Definitive Guide* is written in his clear, narrative tone, free of ego and condescension, and packed with information. Part I, *ActionScript Fundamentals*, describes core

programming concepts (variables, datatypes, operators, statements, functions, events, arrays, and objects) and details their usage, particularly with regard to movie clips. Part II, Applied ActionScript, covers common applications, such as processing online forms. Part III, Language Reference, details all ActionScript globals, properties, methods, event handlers, and objects, and includes extensive implementation examples. This book gets new ActionScript programmers up to speed quickly. It documents ActionScript in traditional terms, giving you a solid theoretical foundation. Experienced programmers can leverage their JavaScript knowledge while learning Flash-specific intricacies. Beyond the theory, this book is filled with practical tips and real-world examples, covering scrolling text fields, menu buttons, multiple-choice quizzes, XML-driven sites, physics-based video games, real-time multiuser environments, and more. The book's meticulous coverage includes many undocumented and underdocumented topics. The detailed Language Reference is an invaluable daily companion. The popular companion site, the ActionScript Code Depot (<http://www.moock.org/asdg>), includes all source .fla files plus numerous additional examples, including a sample XMLSocket server in Java and a sample Perl text database.

JavaScript: The Definitive Guide

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.

Understanding ECMAScript 6

Discover everything you need to know to get up-to-speed with JavaScript development and add dynamic enhancements to web pages. This completely updated third edition reveals how the code works and when to use closures, constants, and execution content. Starting with the basics, you'll see how to employ prototypical inheritance, as well as memory management, variable hoisting and event bubbling. Also covered is an introduction to Node.js and package managers, key to understanding the tools necessary in front-end development and how they are used with current JavaScript frameworks. JavaScript is one of the most important technologies on the web, providing the means to add dynamic functionality to your web pages and serving as the backbone of working with frameworks like Angular and React. Beginning JavaScript, Third Edition will take you from being a JavaScript novice to working freely with this important technology - begin your JavaScript journey today! What You'll Learn Construct good JavaScript syntax following modern coding practices Use JavaScript to communicate with the server and retrieve data Dynamically manipulate markup, validate forms and deal with images Debug applications using features inside the browser Use TypeScript to bring strong typing to the language

Who This Book Is For Beginner to intermediate developers with a basic knowledge of front-end programming who are looking for a deeper understanding of how JavaScript works in the browser and how to answer questions in an interview.

JavaScript

A guide for experienced programmers demonstrates the core JavaScript language, offers examples of common tasks, and contains an extensive reference to JavaScript commands, objects, methods, and properties

The Definitive Guide to Firebase

Most programming languages contain good and bad parts, but JavaScript has more than its share of the bad, having been developed and released in a hurry before it could be refined. This authoritative book scrapes away these bad features to reveal a subset of JavaScript that's more reliable, readable, and maintainable than the language as a whole—a subset you can use to create truly extensible and efficient code. Considered the JavaScript expert by many people in the development community, author Douglas Crockford identifies the abundance of good ideas that make JavaScript an outstanding object-oriented programming language—ideas such as functions, loose typing, dynamic objects, and an expressive object literal notation. Unfortunately, these good ideas are mixed in with bad and downright awful ideas, like a programming model based on

global variables. When Java applets failed, JavaScript became the language of the Web by default, making its popularity almost completely independent of its qualities as a programming language. In JavaScript: The Good Parts, Crockford finally digs through the steaming pile of good intentions and blunders to give you a detailed look at all the genuinely elegant parts of JavaScript, including: Syntax Objects Functions Inheritance Arrays Regular expressions Methods Style Beautiful features The real beauty? As you move ahead with the subset of JavaScript that this book presents, you'll also sidestep the need to unlearn all the bad parts. Of course, if you want to find out more about the bad parts and how to use them badly, simply consult any other JavaScript book. With JavaScript: The Good Parts, you'll discover a beautiful, elegant, lightweight and highly expressive language that lets you create effective code, whether you're managing object libraries or just trying to get Ajax to run fast. If you develop sites or applications for the Web, this book is an absolute must.

JavaScript

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

CSS: The Definitive Guide

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 Masonite

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

The Definitive Guide to AdonisJs

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.

Effective JavaScript

What's the best approach for developing an application with JavaScript? This book helps you answer that question with numerous JavaScript coding patterns and best practices. If you're an experienced developer looking to solve problems related to objects, functions, inheritance, and other language-specific categories, the abstractions and code templates in this guide are ideal—whether you're using JavaScript to write a client-side, server-side, or

desktop application. Written by JavaScript expert Stoyan Stefanov—Senior Yahoo! Technical and architect of YSlow 2.0, the web page performance optimization tool—JavaScript Patterns includes practical advice for implementing each pattern discussed, along with several hands-on examples. You'll also learn about anti-patterns: common programming approaches that cause more problems than they solve. Explore useful habits for writing high-quality JavaScript code, such as avoiding globals, using single var declarations, and more Learn why literal notation patterns are simpler alternatives to constructor functions Discover different ways to define a function in JavaScript Create objects that go beyond the basic patterns of using object literals and constructor functions Learn the options available for code reuse and inheritance in JavaScript Study sample JavaScript approaches to common design patterns such as Singleton, Factory, Decorator, and more Examine patterns that apply specifically to the client-side browser environment

Java Examples in a Nutshell

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.

JavaScript Patterns

Provides information on the basics of Ajax to create Web applications that function like desktop programs.

Redis: The Definitive Guide

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.

The Revolution of Birdie Randolph

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

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.

Java Foundation Classes

A guide for experienced programmers demonstrates the core JavaScript language, offers examples of

common tasks, and contains an extensive reference to JavaScript commands, objects, methods, and properties.

The Definitive Guide to Squarespace

“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

Speaking JavaScript

Building rich JavaScript applications that bring a desktop experience to the Web requires moving state from the server to the client side—not a simple task. This hands-on book takes proficient JavaScript developers through all the steps necessary to create state-of-the-art applications, including structure, templating, frameworks, communicating with the server, and many other issues. Throughout the book, you'll work with real-world example applications to help you grasp the concepts involved. Learn how to create JavaScript applications that offer a more responsive and improved experience. Use the Model-View-Controller (MVC) pattern, and learn how to

manage dependencies inside your application Get an introduction to templating and data binding Learn about loading remote data, Ajax, and cross-domain requests Create realtime applications with WebSockets and Node.js Accept dropped files and upload data with progress indicators Use major frameworks and libraries, including jQuery, Spine, and Backbone Write tests and use the console to debug your applications Get deployment best practices, such as caching and minification

Dojo: The Definitive Guide

From Stonewall Award winner Brandy Colbert comes a novel about first love, family, and hidden secrets that will stay with you long after turning the last page. Dove "Birdie" Randolph works hard to be the perfect daughter and follow the path her parents have laid out for her: She quit playing her beloved soccer, she keeps her nose buried in textbooks, and she's on track to finish high school at the top of her class. But then Birdie falls hard for Booker, a sweet boy with a troubled past . . . whom she knows her parents will never approve of. When her estranged aunt Carlene returns to Chicago and moves into the family's apartment above their hair salon, Birdie notices the tension building at home. Carlene is sweet, friendly, and open-minded -- she's also spent decades in and out of treatment facilities for addiction. As Birdie becomes closer to both Booker and Carlene, she yearns to spread her wings. But when long-buried secrets rise to the surface, everything she's known to be true is turned upside down.

JavaScript Pocket Reference

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.

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