

You Dont Know Js Es6 Beyond

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Practical Modern JavaScript Nicolas Bevacqua 2017-06-26 To get the most out of modern JavaScript, you need learn the latest features of its parent specification, ECMAScript 6 (ES6). This book provides a highly practical look at ES6, without getting lost in the specification or its implementation details. Armed with practical examples, author Nicolas Bevacqua shows you new ways to deal with asynchronous flow control, declare objects or functions, and create proxies or unique sets, among many other features. The first title in Bevacqua's Modular JavaScript series, Practical Modern JavaScript prepares JavaScript and Node.js developers for applied lessons in modular design, testing, and deployment in subsequent books. This book explains: How JavaScript and its standards development process have evolved Essential ES6 changes, including arrow functions, destructuring, let and const Class syntax for declaring object prototypes, and the new Symbol primitive How to handle flow control with Promises, iterators, generators, and async functions ES6 collection built-in types for creating object maps and unique sets How and when to use the new Proxy and Reflect built-ins Changes to Array, Math, numbers, strings, Unicode, and regular expressions, and other improvements since ES5

Node.js 8 the Right Way Jim Wilson 2018-01-04 Node.js is the platform of choice for creating modern web services. This fast-paced book gets you up to speed on server-side programming with Node.js 8, as you develop real programs that are small, fast, low-profile, and useful. Take JavaScript beyond the browser, explore dynamic language features, and embrace evented programming. Harness the power of the event loop and non-blocking I/O to create highly parallel microservices and applications. This expanded and updated second edition showcases the latest ECMAScript features, current best practices, and modern development techniques. JavaScript is the backbone of the modern web, powering nearly every web app's user interface. Node.js is JavaScript for the server. This greatly expanded second edition introduces new language features while dramatically increasing coverage of core topics. Each hands-on chapter offers progressively more challenging topics and techniques, broadening your skill set and enabling you to think in Node.js. Write asynchronous, non-blocking code using Node.js's style and patterns. Cluster and load balance services with Node.js core features and third-party tools. Harness the power of databases such as Elasticsearch and Redis. Work with many protocols, create RESTful web services, TCP socket clients and servers, and more. Test your code's functionality with Mocha, and manage its life cycle with npm. Discover how Node.js pairs a server-side event loop with a JavaScript runtime to produce screaming fast, non-blocking concurrency. Through a series of practical programming domains, use the latest available ECMAScript features and harness key Node.js classes and popular modules. Create rich command-line tools and a web-based UI using modern web development techniques. Join the smart and diverse community that's rapidly advancing the state of the art in JavaScript development. What You Need: Node.js 8.x Operating system with bash-like shell OMQ (pronounced "Zero-M-Q") library, version 3.2 or higher Elasticsearch version 5.0 or higher jq version 1.5 or higher Redis version 3.2 or higher

You Don't Know JS Yet Kyle Simpson 2020-01-28 It seems like there's never been as much widespread desire before to learn JS. But with a million blogs, books, and videos out there, just where do you start?The worldwide best selling "You Don't Know JS" book series is back for a 2nd edition: "You Don't Know JS Yet". All 6 books are brand new, rewritten to cover all sides of JS for 2020 and beyond."Get Started" prepares you for the journey ahead, first surveying the language then detailing how the rest of the You Don't Know JS Yet book series guides you to knowing JS more deeply.

Understanding ECMAScript 6 Nicholas C. Zakas 2016-08-16 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.

You Don't Know JS: ES6 & Beyond Kyle Simpson 2015-12-17 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this compact guide focuses on new features available in ECMAScript 6 (ES6), the latest version of the standard upon which JavaScript is built. Like other books in this series, *You Don't Know JS: ES6 & Beyond* dives into trickier parts of the language that many JavaScript programmers either avoid or know nothing about. Armed with this knowledge, you can achieve true JavaScript mastery. With this book, you will: Learn new ES6 syntax that eases the pain points of common programming idioms Organize code with iterators, generators, modules, and classes Express async flow control with Promises combined with generators Use collections to work more efficiently with data in structured ways Leverage new API helpers, including Array, Object, Math, Number, and String Extend your program's capabilities through meta programming Preview features likely coming to JS beyond ES6

You Don't Know JS: Async & Performance Kyle Simpson 2015-02-23 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this concise yet in-depth guide focuses on new asynchronous features and performance techniques—including Promises, generators, and Web Workers—that let you create sophisticated single-page web applications and escape callback hell in the process. Like other books in this series, *You Don't Know JS: Async & Performance* dives into trickier parts of the language that many JavaScript programmers simply avoid. Armed with this knowledge, you can become a true JavaScript master. With this book you will: Explore old and new JavaScript methods for handling asynchronous programming Understand how callbacks let third parties control your program's execution Address the "inversion of control" issue with JavaScript Promises Use generators to express async flow in a sequential, synchronous-looking fashion Tackle program-level performance with Web Workers, SIMD, and asm.js Learn valuable resources and techniques for benchmarking and tuning your expressions and statements

You Don't Know JS: Types & Grammar Kyle Simpson 2015-02 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this compact guide explores JavaScript types in greater depth than previous treatments by looking at type coercion problems, demonstrating why types work, and showing you how to take advantage of these features. Like other books in this series, *You Don't Know JS: Types & Grammar* dives into trickier parts of the language that many JavaScript programmers simply avoid or assume don't exist (like types). Armed with this knowledge, you can achieve true JavaScript mastery. With this book you will: Get acquainted with JavaScript's seven types: null, undefined, boolean, number, string, object, and symbol Understand why JavaScript's unique array, string, and number characteristics may delight or confound you Learn how natives provide object wrappers around primitive values Dive into the coercion controversy—and learn why this feature is useful in many cases Explore various nuances in JavaScript syntax, involving statements, expressions, and other features

Effective JavaScript David Herman 2013 Provides information on how to write better JavaScript programs, covering such topics as functions, arrays, library and API design, and concurrency.

Get Programming with JavaScript Next J. D. Isaacks 2018-02-28 Modern browsers, Node, and major libraries have already started to adopt next generation JavaScript features. They can make JavaScript simpler to read, less prone to common errors, and much easier to use in asynchronous programs. *Get Programming with JavaScript Next* teaches JavaScript developers the most important additions from both ES6 and ES7. This clearly-written guide to JavaScript's newest features contains lots of short easy-to-digest chapters and exercises to help you master each new concept. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

You Don't Know JS: Async and Performance Kyle Simpson 2015-03-09 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this concise yet in-depth guide focuses on new asynchronous features and performance techniques—including Promises, generators, and Web Workers—that let you create sophisticated single-page web applications and escape callback hell in the process. Like other books in this series, *You Don't Know JS: Async & Performance* dives into trickier parts of the language that many JavaScript programmers simply avoid. Armed with this knowledge, you can become a true JavaScript master. With this book you will: Explore old and new JavaScript methods for handling asynchronous programming Understand how callbacks let third parties control your program's execution Address the "inversion of control" issue with JavaScript Promises Use generators to express async flow in a sequential, synchronous-looking fashion Tackle program-level

performance with Web Workers, SIMD, and asm.js Learn valuable resources and techniques for benchmarking and tuning your expressions and statements

JavaScript for Impatient Programmers Axel Rauschmayer 2019-08-30 This book makes JavaScript less challenging to learn for newcomers, by offering a modern view that is as consistent as possible. Highlights: Get started quickly, by initially focusing on modern features. Test-driven exercises and quizzes available for most chapters (sold separately). Covers all essential features of JavaScript, up to and including ES2019. Optional advanced sections let you dig deeper. No prior knowledge of JavaScript is required, but you should know how to program.

The Principles of Object-Oriented JavaScript Nicholas C. Zakas 2014-02-14 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.

Rediscovering JavaScript Venkat Subramaniam 2018-06-11 JavaScript is no longer to be feared or loathed - the world's most popular and ubiquitous language has evolved into a respectable language. Whether you're writing frontend applications or server side code, the phenomenal features from ES6 and beyond - like the rest operator, generators, destructuring, object literals, arrow functions, modern classes, promises, async, and metaprogramming capabilities - will get you excited and eager to program with JavaScript. You've found the right book to get started quickly and dive deep into the essence of modern JavaScript. Learn practical tips to apply the elegant parts of the language and the gotchas to avoid. JavaScript is a black swan that no one, including the author of the language, thought would become a popular and ubiquitous language. Not long ago, it was the most hated and feared language you could use to program the web. JavaScript ES6 and beyond has gone through a significant makeover. Troublesome features have been replaced with better, elegant, more reliable alternatives. This book includes many practical examples and exercises to help you learn in depth. It will not bore you with idiosyncrasies and arcane details intended for bad interview questions. Instead, it takes you into key features that you can readily use in your day-to-day projects. Whether you program the frontend or the server side, you can now write concise, elegant, and expressive JavaScript with newer features like default parameters, template literals, rest and spread operators, destructuring, arrow functions, and generators. Take it up a notch with features like infinite series, promises, async, and metaprogramming to create flexible, powerful, and extensible libraries. While the evolved features of the language will draw you in, the hundreds of examples in this book will pin the concepts down, for you to use on your projects. Take command of modern JavaScript and unlock your potential to create powerful applications. What You Need: To try out the examples in the book you will need a computer with Node.js, a text editor, and a browser like Chrome installed in it.

You Don't Know JS: This and Object Prototypes Kyle Simpson 2014-07-27 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. This concise, in-depth guide takes you inside JavaScript's this structure and object prototypes. You'll learn how they work and why they're integral to behavior delegation—a design pattern in which objects are linked, rather than cloned. Like other books in the “You Don't Know JS” series, this and Object Prototypes dives into trickier parts of the language that many JavaScript programmers simply avoid. Armed with this knowledge, you can become a true JavaScript master. With this book you will: Explore how the this binding points to objects based on how the function is called Look into the nature of JS objects and why you'd need to point to them Learn how developers use the mixin pattern to fake classes in JS Examine how JS's prototype mechanism forms links between objects Learn how to move from class/inheritance design to behavior delegation Understand how the OLOO (objects-linked-to-other-objects) coding style naturally implements behavior delegation

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.

How JavaScript Works Douglas Crockford 2018-10-18 Douglas Crockford starts by looking at the fundamentals: names, numbers, booleans, characters, and bottom values. JavaScript's number type is shown to be faulty and limiting, but then Crockford shows how to repair those problems. He then moves on to data structures and functions, exploring the underlying mechanisms and then uses higher order functions to achieve class-free object oriented programming. The book also looks at eventual programming, testing, and purity, all the while looking at the requirements of The Next Language. Most of our languages are deeply rooted in the paradigm that produced FORTRAN. Crockford attacks those roots, liberating us to consider the next paradigm. He also presents a strawman language and develops a complete transpiler to implement it. The book is deep, dense, full of code, and has moments when it is intentionally funny.

ES6 and Beyond Kyle Simpson 2015-03-06 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this compact guide focuses on new features available in ECMAScript 6 (ES6), the latest version of the standard upon which JavaScript is built. Like other books in this series, You Don't Know JS: ES6 & Beyond dives into trickier parts of the language that many JavaScript programmers either avoid or know nothing about. Armed with this knowledge, you can achieve true JavaScript mastery. With this book, you will: Learn new ES6 syntax that eases the pain points of common programming idioms Organize code with iterators, generators, modules, and classes Express async flow control with Promises combined with generators Use collections to work more efficiently with data in structured ways Leverage new API helpers, including Array, Object, Math, Number, and String Extend your program's capabilities through meta programming Preview features likely coming to JS beyond ES6

Functional-Light JavaScript Kyle Simpson 2017-11-27 Functional-Light JavaScript is a balanced, pragmatic exploration of Functional Programming in JavaScript. Functional Programming (FP) is an incredibly powerful paradigm for structuring code that yields more robust, verifiable, and readable programs. If you've ever tried to learn FP but struggled with terms like "monad", mathematical concepts like category theory, or symbols like (lambda), you're not alone. Functional-Light programming distills the most vital aspects of FP-function purity, value immutability, composition, and more!-down to approachable JavaScript patterns. Rather than the all-or-nothing dogmatism often encountered in FP, this book teaches you how to improve your programs line by line.

ES6 and Beyond Kyle Simpson 2016

Head First Ajax Rebecca Riordan 2008-12-26 Provides information on building interactive Web applications using Ajax.

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The Complete Guide to Modern JavaScript Alberto Montalesi 2019-05-19 Whether you are a complete beginner or you have some knowledge in JavaScript, this book will guide you from the basics of the language to all the new features introduced until 2019. At the end of each chapter test your knowledge with quizzes. After reading this book, Let Const, generators, promises and async won't be a problem anymore. If you want to experience something new, this book also includes an introduction to the basics of TypeScript, a must-know for any JavaScript develop in 2019.

JavaScript for Absolute Beginners Terry McNavage 2011-08-23 If you are new to both JavaScript and programming, this hands-on book is for you. Rather than staring blankly at gobbledygook, you'll explore JavaScript by entering and running hundreds of code samples in Firebug, a free JavaScript debugger. Then in the last two chapters, you'll leave the safety of Firebug and hand-code an uber cool JavaScript application in your preferred text editor. Written in a friendly, engaging narrative style, this innovative JavaScript tutorial covers the following essentials: Core JavaScript syntax, such as value types, operators, expressions, and statements provided by ECMAScript. Features for manipulating XHTML, CSS, and events provided by DOM. Object-oriented JavaScript, including prototypal and classical inheritance, deep copy, and mixins. Closure, lazy loading, advance conditional loading, chaining, currying, memoization, modules, callbacks, recursion, and other powerful function techniques. Encoding data with JSON or XML. Remote scripting with JSON-P or XMLHttpRequest Drag-and-drop, animated scrollers, skin swappers, and other cool behaviors. Optimizations to ensure your scripts run snappy. Formatting and naming conventions to prevent you from looking like a greenhorn. New ECMAScript 5, DOM 3, and HTML 5 features such as Object.create(), Function.prototype.bind(), strict mode, querySelector(), querySelectorAll(), and getElementsByClassName(). As you can see, due to its fresh approach, this book is by no means watered down. Therefore, over the course of your journey, you will go from JavaScript beginner to wizard, acquiring the skills recruiters desire.

ES6 for Humans Deepak Grover 2017-07-17 Learn ES6 best practices for code optimization and organization

and walk through practical, common examples of how to implement complete components of your applications. While this book covers the basic concepts of modern JavaScript, it primarily focuses on the new syntax, data-types, functionalities, and everything else that's new in ES6, the latest standard of JavaScript. You'll examine how to use ES6 in functional programming and explore the new more modular and object-oriented approach to JavaScript. This book will help you sharpen and upgrade your JavaScript language skills so you to easily explore modern ES6 based frameworks or libraries such as ReactJS, ReactNative, Angular4 and Vue.js. ES6 for Humans is a complete guide to writing ES6 and will enable you to start taking advantage of this exciting new version of JavaScript. What You'll Learn Use all the new features added to JavaScript Compare ES5 and ES6 in varied situations Refresh your core JavaScript fundamentals Understand the modular and object-oriented approach to JavaScript Who this Book Is For Any Javascript developer who wants to fully understand and dive into the new features of ES6/ES2015. Developers with some background in programming, preferably in JavaScript. A basic understanding of coding concepts and exposure to object-oriented programming is expected.

Javascript-mancy Jaime Gonzalez Garcia 2016-09-08 Are you a C# developer curious about the awesome things happening in the JavaScript world? Would you like to be a part of it? Build super rich web applications, mobile apps, backend services or even robots? Does JavaScript frustrate you? Then this is the book for you! With this book you'll get a great introduction to JavaScript and ES6 from a C# perspective. You'll learn the most common pitfalls and weird behaviors and end up enjoying writing JavaScript just as much as you do C#. And it has wizards! Imagine... imagine you lived in a world were you could use JavaScript to change the universe around you, to tamper with the threads that compose reality as you know it and do anything that you can imagine. Well, welcome to the world of JavaScript-mancy, where wizards, also known as JavaScriptmancers, control the arcane winds of magic wielding JavaScript to and fro and command the very fabric of reality. We, programmers, sadly do not live in such a world. But we do have a measure of magic in ourselves, we have the skills and power to create things out of nothingness. And even if we cannot throw fireballs or levitate (yet), we can definitely change/improve/enhance reality and the universe around us with our little creations. Ain't that freaking awesome? Well, I hope this book inspires you to continue creating, and using this beautiful skill we share, this time, with JavaScript;). This is the first book of the JavaScript-mancy series. Within its mysterious pages you'll find: * A great introduction to the JavaScript language full of fantasy inspired examples and exercises * A detailed look at the new and awesome ES6 features in a historical context, highlighting why they exist and which problems they're trying to solve * A lot of references to C# that will make it super easy for C# developers to wrap their heads around JavaScript and its quirks. (This also extends to developers familiar with strongly typed languages) * A breathtaking story of EPIC proportions and awkward sense of humor...

HTML5 Cookbook Christopher Schmitt 2011-11-07 With scores of practical recipes you can use in your projects right away, this cookbook helps you gain hands-on experience with HTML5's versatile collection of elements. You get clear solutions for handling issues with everything from markup semantics, web forms, and audio and video elements to related technologies such as geolocation and rich JavaScript APIs. Each informative recipe includes sample code and a detailed discussion on why and how the solution works. Perfect for intermediate to advanced web and mobile web developers, this handy book lets you choose the HTML5 features that work for you—and helps you experiment with the rest. Test browsers for HTML5 support, and use techniques for applying unsupported features Discover how HTML5 makes web form implementation much simpler Overcome challenges for implementing native audio and video elements Learn techniques for using HTML5 with ARIA accessibility guidelines Explore examples that cover using geolocation data in your applications Draw images, use transparencies, add gradients and patterns, and more with Canvas Bring HTML5 features to life with a variety of advanced JavaScript APIs

Professional JavaScript for Web Developers Nicholas C. Zakas 2005-04-29 Dispels the myth that JavaScript is a "baby" language and demonstrates why it is the scripting language of choice used in the design of millions of Web pages and server-side applications Quickly covers JavaScript basics and then moves on to more advanced topics such as object-oriented programming, XML, Web services, and remote scripting Addresses the many issues that Web application developers face, including internationalization, security, privacy, optimization, intellectual property issues, and obfuscation Builds on the reader's basic understanding of HTML, CSS, and the Web in general This book is also available as part of the 4-book JavaScript and Ajax Wrox Box (ISBN: 0470227818). This 4-book set includes: Professional JavaScript for Web Developers (ISBN: 0764579088) Professional Ajax 2nd edition (ISBN: 0470109491) Professional Web 2.0 Programming (ISBN: 0470087889) Professional Rich Internet Applications: Ajax and Beyond (ISBN: 0470082801)

You Don't Know JS: ES6 & Beyond Kyle Simpson 2015-12-17 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this compact guide focuses on new features available in ECMAScript 6 (ES6), the latest version of the standard upon which JavaScript is built. Like other books in this series, You Don't Know JS: ES6 & Beyond dives into trickier parts of the language that many JavaScript programmers either avoid or know nothing about. Armed with this knowledge, you can achieve true JavaScript mastery. With this book, you will: Learn new ES6 syntax that eases

the pain points of common programming idioms Organize code with iterators, generators, modules, and classes Express async flow control with Promises combined with generators Use collections to work more efficiently with data in structured ways Leverage new API helpers, including Array, Object, Math, Number, and String Extend your program's capabilities through meta programming Preview features likely coming to JS beyond ES6

Node.js Design Patterns Mario Casciaro 2016-07-18 Get the best out of Node.js by mastering its most powerful components and patterns to create modular and scalable applications with ease About This Book Create reusable patterns and modules by leveraging the new features of Node.js . Understand the asynchronous single thread design of node and grasp all its features and patterns to take advantage of various functions. This unique guide will help you get the most out of Node.js and its ecosystem. Who This Book Is For The book is meant for developers and software architects with a basic working knowledge of JavaScript who are interested in acquiring a deeper understanding of how to design and develop enterprise-level Node.js applications. Basic knowledge of Node.js is also helpful to get the most out of this book. What You Will Learn Design and implement a series of server-side JavaScript patterns so you understand why and when to apply them in different use case scenarios Become comfortable with writing asynchronous code by leveraging constructs such as callbacks, promises, generators and the async-await syntax Identify the most important concerns and apply unique tricks to achieve higher scalability and modularity in your Node.js application Untangle your modules by organizing and connecting them coherently Reuse well-known techniques to solve common design and coding issues Explore the latest trends in Universal JavaScript, learn how to write code that runs on both Node.js and the browser and leverage React and its ecosystem to implement universal applications In Detail Node.js is a massively popular software platform that lets you use JavaScript to easily create scalable server-side applications. It allows you to create efficient code, enabling a more sustainable way of writing software made of only one language across the full stack, along with extreme levels of reusability, pragmatism, simplicity, and collaboration. Node.js is revolutionizing the web and the way people and companies create their software. In this book, we will take you on a journey across various ideas and components, and the challenges you would commonly encounter while designing and developing software using the Node.js platform. You will also discover the "Node.js way" of dealing with design and coding decisions. The book kicks off by exploring the basics of Node.js describing its asynchronous single-threaded architecture and the main design patterns. It then shows you how to master the asynchronous control flow patterns, and the stream component and it culminates into a detailed list of Node.js implementations of the most common design patterns as well as some specific design patterns that are exclusive to the Node.js world. Lastly, it dives into more advanced concepts such as Universal Javascript, and scalability' and it's meant to conclude the journey by giving the reader all the necessary concepts to be able to build an enterprise grade application using Node.js. Style and approach This book takes its intended readers through a comprehensive explanation to create a scalable and efficient real-time server-side apps.

JavaScript: The Good Parts Douglas Crockford 2008-05-08 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.

Learning JavaScript Ethan Brown 2016-03-11 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"

You Don't Know JS: Scope & Closures Kyle Simpson 2014-03-10 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. This concise yet in-depth guide takes you inside scope and closures, two core concepts you need to know to become a more efficient and effective JavaScript programmer. You'll learn how and why they work, and how an understanding of closures can be a powerful part of your development skillset. Like other books in the "You Don't Know JS" series, Scope and Closures dives into trickier parts of the language that many JavaScript programmers simply avoid. Armed with this knowledge, you can achieve true JavaScript mastery. Learn about scope, a set of rules to help JavaScript engines locate variables in your code Go deeper into nested scope, a series of containers for variables and functions Explore function- and block-based scope, "hoisting", and the patterns and benefits of scope-based hiding Discover how to use closures for synchronous and asynchronous tasks, including the creation of JavaScript libraries

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.

Eloquent JavaScript, 3rd Edition Marijn Haverbeke 2018-12-04 Completely revised and updated, this best-selling introduction to programming in JavaScript focuses on writing real applications. JavaScript lies at the heart of almost every modern web application, from social apps like Twitter to browser-based game frameworks like Phaser and Babylon. Though simple for beginners to pick up and play with, JavaScript is a flexible, complex language that you can use to build full-scale applications. This much anticipated and thoroughly revised third edition of Eloquent JavaScript dives deep into the JavaScript language to show you how to write beautiful, effective code. It has been updated to reflect the current state of JavaScript and web browsers and includes brand-new material on features like class notation, arrow functions, iterators, async functions, template strings, and block scope. A host of new exercises have also been added to test your skills and keep you on track. As with previous editions, Haverbeke continues to teach through extensive examples and immerses you in code from the start, while exercises and full-chapter projects give you hands-on experience with writing your own programs. You start by learning the basic structure of the JavaScript language as well as control structures, functions, and data structures to help you write basic programs. Then you'll learn about error handling and bug fixing, modularity, and asynchronous programming before moving on to web browsers and how JavaScript is used to program them. As you build projects such as an artificial life simulation, a simple programming language, and a paint program, you'll learn how to: - Understand the essential elements of programming, including syntax, control, and data - Organize and clarify your code with object-oriented and functional programming techniques - Script the browser and make basic web applications - Use the DOM effectively to interact with browsers - Harness Node.js to build servers and utilities Isn't it time you became fluent in the language of the Web? * All source code is available online in an interactive sandbox, where you can edit the code, run it, and see its output instantly.

You Don't Know JS: Types & Grammar Kyle Simpson 2015-01-29 No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this compact guide explores JavaScript types in greater depth than previous treatments by looking at type coercion problems, demonstrating why types work, and showing you how to take advantage of these features. Like other books in this series, You Don't Know JS: Types & Grammar dives into trickier parts of the language that many JavaScript programmers simply avoid or assume don't exist (like types). Armed with this knowledge, you can achieve true JavaScript mastery. With this book you will: Get acquainted with JavaScript's seven types: null, undefined, boolean, number, string, object, and symbol Understand why JavaScript's unique array, string, and number characteristics may delight or confound you Learn how natives provide object wrappers around primitive values Dive into the coercion controversy—and learn why this feature is useful in many cases Explore

various nuances in JavaScript syntax, involving statements, expressions, and other features

You Don't Know JS Kyle Simpson 2016

Practical ES6 Aurelio De Rosa 2018-05-31 There's no doubt that the JavaScript ecosystem changes fast. Not only are new tools and frameworks introduced and developed at a rapid rate, the language itself has undergone big changes with the introduction of ES2015 (aka ES6). Understandably, many articles have been written complaining about how difficult it is to learn modern JavaScript development these days. We're aiming to minimize that confusion with this set of books on modern JavaScript. This book provides an introduction to many of the powerful new JavaScript language features that were introduced in ECMAScript 2015, as well as features introduced in ECMAScript 2016 and 2017. It also takes a look at the features planned for ECMAScript 2018 in this rapidly evolving language. It contains: New Keywords: let and const by Aurelio de Rosa Using Map, Set, WeakMap, WeakSet by Kyle Pennell New Array.* and Array.prototype.* Methods by Aurelio de Rosa New String Methods by Aurelio de Rosa New Number Methods by Aurelio de Rosa ES6 Arrow Functions: Fat and Concise Syntax in JavaScript by Kyle Pennell Symbols and Their Uses by Nilson Jacques How to Use Proxies by Craig Buckler Destructuring Assignment by Craig Buckler ES6 Generators and Iterators: a Developer' Guide by Byron Houwens Object-oriented JavaScript: A Deep Dive into ES6 Classes by Jeff Mott Understanding ES6 Modules by Craig Buckler An Overview of JavaScript Promises by Sandeep Panda JavaScript Decorators: What They Are and When to Use Them by Graham Cox Enhanced Object Literals by Craig Buckler Introduction to the Fetch API by Ludovico Fischer ES6 (ES2015) and Beyond: Understanding JavaScript Versioning by James Wright What's New in ES2017: Async Functions, Improved Objects, and More by Craig Buckler What's New in ES2018 by Craig Buckler This book is for all front-end developers who wish to improve their JavaScript skills. You'll need to be familiar with HTML and CSS and have a reasonable level of understanding of JavaScript in order to follow the discussion.

Complete Guide to Modern JavaScript Alberto Montalesi 2020-05-01 Whether you are a complete beginner or you have some knowledge in JavaScript, this book will guide you from the basics of the language to all the new features introduced until 2020. At the end of each chapter test your knowledge with quizzes. After reading this book, Let Const, generators, promises, and async won't be a problem anymore. If you want to experience something new, this book also includes an introduction to the basics of TypeScript, a must-know for any JavaScript develop in 2020.

Simplifying JavaScript Joe Morgan 2018-04-17 The best modern JavaScript is simple, readable, and predictable. Learn to write modern JavaScript not by memorizing a list of new syntax, but with practical examples of how syntax changes can make code more expressive. Starting from variable declarations that communicate intention clearly, see how modern principles can improve all parts of code. Incorporate ideas with curried functions, array methods, classes, and more to create code that does more with less while yielding fewer bugs. It's time to write JavaScript code that's clean and expressive. Modern JavaScript is simpler and more predictable and readable than ever. Discover how to write better code with clear examples using principles that show how updated syntax can make code better with fewer bugs. Starting from the ground up, learn new syntax (or how to reuse older syntax) to transform code from clunky bug-susceptible scripts to clear and elegant programs that are easy to read and easy to extend. Create a foundation for readable code with simple variable declarations that reduce side effects and subtle bugs. Select collections with clear goals instead of defaulting to objects or arrays. See how to simplify iterations from complex loops to single line array methods. Master techniques for writing flexible and solid code ranging from high-order functions, to reusable classes, to patterns for architecting large applications creating applications that will last while through rounds of refactoring and changing requirements. The best part is there's no need to read this book straight through. Jump around and incorporate new functionality at will. Most importantly, understand not just what the new syntax is, but when and how to use it. Start writing better code from the first page. What You Need: For the best experience, have the latest version of Node installed (at least version 7). You can test most examples in the console of Chrome or other modern web browser. If you'd like to run the tests, you'll also need to install the latest version of Node Package Manager (npm).

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.