

Name	Link	Description	Instructor	Company
Advanced Async Js	https://frontendmasters.com/courses/advanced-async-js/	Learn how to build and manage asynchronous programs to become an effective JavaScript programmer. Join Jafar Husain - the Cross-Team Technical Lead for the Netflix UI and architect of its UI data platform as he takes you beyond the fundamentals of asynchronous JavaScript to introduce you to new features and techniques that will help you reduce code and create smarter applications. This class is for developers with an intermediate knowledge of JavaScript. At a minimum you must understand how to create functions, use loops, create JS Objects, and how function scope works. You should also have taken Jafar's Asynchronous JavaScript course. This course and others like it are available as part of our Frontend Masters video subscription. Published: September 13, 2017	Jafar Husain	Netflix
Advanced Css Layouts	https://frontendmasters.com/courses/advanced-css-layouts/	For the first time in the history of the web, CSS is graced with tools for laying out web pages without hacks. Flexbox and Grid provide methods for creating responsive websites with designs not previously possible. CSS Calc and CSS Custom Properties give us a first chance to use math and variables within CSS itself, without requiring compiling. Together, these four new CSS modules work together to revolutionize the way we lay out web pages with CSS! This course and others like it are available as part of our Frontend Masters video subscription. Published: September 12, 2019	Jen Kramer	Harvard University Extension School
Advanced Elm	https://frontendmasters.com/courses/advanced-elm/	Take your Elm abilities to the next level! Learn the best techniques for authentication, scaling, styling, module structure, Single Page Apps, performance optimization, and much more. This course uses the latest 0.19 version of Elm. This course and others like it are available as part of our Frontend Masters video subscription. Published: October 18, 2018	Richard Feldman	NoRedInk
Advanced Ember 2	https://frontendmasters.com/courses/advanced-ember-2/	Mike demonstrates recent Ember framework advancements. Learn how to debug Ember apps and use Ember CLI. Build an ember app that includes composable components, helpers, add-ons, and engines in a highly modular way. Plus use Ember-Data's new hooks and implement best practices for state management in Ember. Lastly, learn testing and server-side rendering in Ember 2.x. See recent Ember 2.x framework advancements to show you to debug, customize, test and deploy applications with confidence! This course and others like it are available as part of our Frontend Masters video subscription. Published: March 29, 2017	Mike North	LinkedIn
Advanced GraphQL	https://frontendmasters.com/courses/advanced-graphql/	In this course Scott Moss — returning Frontend Masters instructor and CEO of Tipe — demonstrates the techniques he uses to make his GraphQL API's production-ready, such as Nested Resolvers, Caching and Testing. Learn everything you need to know about building production-ready GraphQL APIs! This course and others like it are available as part of our Frontend Masters video subscription. Published: May 23, 2018	Scott Moss	Tipe
Advanced GraphQL V2	https://frontendmasters.com/courses/advanced-graphql-v2/	Become a GraphQL master by learning to build production-ready GraphQL APIs in Node.js and Apollo Server. Learn to secure your API with authentication, handle errors within resolvers, and add in integration and unit tests. You'll also learn to access realtime data using subscriptions and expand on the capability and flexibility of GraphQL with custom directives! This course and others like it are available as part of our Frontend Masters video subscription. Published: February 17, 2020	Scott Moss	Tipe
Advanced Javascript	https://frontendmasters.com/courses/advanced-javascript/	Kyle Simpson, author of the "You Don't Know JavaScript" book series, details the inner workings of JavaScript in extreme detail. Gain an advanced understanding of the core mechanics of the JavaScript language. This course deep dives into scope, closure, object-oriented, and asynchronous programming in JavaScript. This course and others like it are available as part of our Frontend Masters video subscription. Published: June 14, 2014	Kyle Simpson	You Don't Know JS
Advanced React Patterns	https://frontendmasters.com/courses/advanced-react-patterns/	Discover how to simplify your large React applications with advanced component patterns! In this course, Kent C. Dodds shows how to separate component logic, state and display properties to make your components more flexible and usable across large React applications. You'll learn patterns like Compound Components, Render Props, Prop Getters, Controlled Props, and how to take advantage of React's new Context API to share state throughout the application. This course is for developers who have experience building React applications and desire to scale their applications with components that are both simpler and more flexible! This course and others like it are available as part of our Frontend Masters video subscription. Published: May 2, 2018	Kent C. Dodds	Professional Trainer
Advanced Vue	https://frontendmasters.com/courses/advanced-vue/	Learn from Evan You — the creator of Vue.js — how to build more accessible routing, state management, form validation and internationalization libraries from the ground up! This course is for developers who have some experience with Vue.js and want to understand its internals better so they can author your own Vue plugins and use Vue more effectively. You'll build simple versions of advanced features of Vue.js from the ground up composing basic Vue features. This course will help you better understand the nature of common problems and how to better leverage Vue's reactivity system to come up with elegant solutions. This course and others like it are available as part of our Frontend Masters video subscription. Published: January 16, 2018	Evan You	Creator of Vue.js
Angular 2	https://	Angular 2 is an incredibly powerful evolution of AngularJS but there is still quite a bit of mystery surrounding the framework.	Lukas	BrieBug

Name	Link	Description	Instructor	Company
	frontendmasters.com/courses/angular-2/	Why the radical departure from the previous version? Why the funny syntax? We are going discover why Angular 2 is half the framework with twice the power!This course and others like it are available as part of our Frontend Masters video subscription.Published: May 4, 2016	Ruebbelke	Software
Angular 9	https://frontendmasters.com/courses/angular-9/	Learn how to leverage the power of Angular to build powerful real-world applications from the ground up. We will start from ground zero and learn how to use the Angular CLI to quickstart our app and then learn about components, templates, routing, forms, and server-side communication along the way. As our application comes together, we will discuss proven techniques and patterns that you can use right away to start developing great web applications.This course and others like it are available as part of our Frontend Masters video subscription.Published: June 29, 2020	Lukas Ruebbelke	BrieBug Software
Angular App Dev	https://frontendmasters.com/courses/angular-app-dev/	Angular is incredibly powerful and can sometimes be overwhelming, but Lukas has realized a few common themes he keeps revisiting over and over. In this course, Lukas shares with you the patterns he has found most effective as you build out an application piece by piece. Learn everything from naming conventions to organizing your app into services, directives and routing with examples and challenges to anchor the concepts. By the end of the course, you will be able to see how these patterns could be applied to approximate some of the most popular web applications that we use today.This course and others like it are available as part of our Frontend Masters video subscription.Published: June 5, 2015	Lukas Ruebbelke	BrieBug Software
Angular Components Es6	https://frontendmasters.com/courses/angular-components-es6/	Master building web applications in Angular 1.x and ES6. With Angular 2 on the horizon, this is the best way to build Angular 1.x apps now to make sure they are ready to transition into 2.0 (if needed). This course will give you the ability to build angular apps with a modern approach.This course and others like it are available as part of our Frontend Masters video subscription.Published: December 30, 2015	Scott Moss	Tipe
Angular Core	https://frontendmasters.com/courses/angular-core/	Build powerful real-world applications from the ground up in Angular 7.x. We will start from ground up and use the Angular CLI to quickstart our app. We'll build components, templates, routes, forms, and use ajax. As our application comes together, you'll see proven techniques and patterns that you can use right away to start build robust web applications.This course and others like it are available as part of our Frontend Masters video subscription.Published: December 21, 2018	Lukas Ruebbelke	BrieBug Software
Angular Reactive	https://frontendmasters.com/courses/angular-reactive/	Learn to use Angular with NgRx and RxJs to drastically simplify state management and flow control while cutting down on code volume. We'll integrate NgRx into our app and walk through how to work with stores, actions, reducers, selectors, dev tools and introduce NgRx entity to simplify things even further.This course and others like it are available as part of our Frontend Masters video subscription.Published: January 7, 2019	Lukas Ruebbelke	BrieBug Software
Angularjs And Code Testability	https://frontendmasters.com/courses/angularjs-and-code-testability/	Misko, the creator of AngularJS (by Google), gives us an overview of how to write testable code and what makes code hard to test.This course and others like it are available as part of our Frontend Masters video subscription.Published: February 28, 2012	Misko Hevery	AngularJS Creator
Angularjs In Depth	https://frontendmasters.com/courses/angularjs-in-depth/	"AngularJS In Action" author Lukas Ruebbelke dives into AngularJS, an intuitive framework that makes it easy to organize code by incorporates concepts like two-way binding, dependency injection and views which results in very testable code.This course and others like it are available as part of our Frontend Masters video subscription.Published: November 19, 2013	Lukas Ruebbelke	BrieBug Software
Api Design Nodejs	https://frontendmasters.com/courses/api-design-nodejs/	Learning to build an API with node that it can be overwhelming since there are so many options. Learn the way Scott builds APIs in Node.js using the Express.js framework and why. After the course, you will have built a fully functional API with Node.js and have the skills to build your own APIs. You'll see just how easy and fun creating API's in Node can be!This course and others like it are available as part of our Frontend Masters video subscription.Published: December 30, 2015	Scott Moss	Tipe
Api Design Nodejs V3	https://frontendmasters.com/courses/api-design-nodejs-v3/	Design and build APIs in Node.js from the ground up! You'll plan your routes and model data for real-world applications. Then create, read, update and delete resources from a MongoDB database with REST verb methods using Express framework routers and controllers. Finally, you'll add authentication middleware with JWTs and learn to test your APIs with Jest!This course and others like it are available as part of our Frontend Masters video subscription.Published: January 18, 2019	Scott Moss	Tipe
Api Node Rest GraphQL	https://frontendmasters.com/courses/api-node-rest-graphql/	Learn to build complete APIs from the ground up using Node.js Express and MongoDB. You'll start by building a REST API and through the course will migrate it over to GraphQL, a new API standard that gives the client much more flexibility to request data. By coding along with Scott Moss in this course, you'll get up and running with node.js, Express routing and middleware, MongoDB, secure your app with JSON web tokens and use GraphQL's Resolvers, Mutations, Queries, and Schemas to build out a GraphQL API. Master building API's in Node.js with this course!This course and others like it are available as part of our Frontend Masters video subscription.Published: February 13, 2018	Scott Moss	Tipe

Name	Link	Description	Instructor	Company
Asynchronous Javascript	https://frontendmasters.com/courses/asynchronous-javascript/	Learning how to build and manage asynchronous programs is perhaps the most important part of becoming an effective JavaScript programmer. Unlike most programming languages, JavaScript is single-threaded. As a result, JavaScript programs must use async APIs to stay responsive to user input while performing long-running tasks like server requests and animations. You can't get very far in a JavaScript program without running across an asynchronous API. It is possible to build most asynchronous programs using a handful of simple functions. We will learn why most JavaScript developers approach asynchronous programming the wrong way, and how to avoid these common mistakes. By the end of these lessons you will know the tools, concepts, and libraries required to be an asynchronous programming ninja! This course and others like it are available as part of our Frontend Masters video subscription. Published: September 21, 2015	Jafar Husain	Netflix
Aws Frontend React	https://frontendmasters.com/courses/aws-frontend-react/	Learn to get your application deployed on the web so that your users in Sydney can enjoy the same amount of latency as those in Minneapolis or Kuala Lumpur. By coding along with Steve Kinney, you'll examine what AWS offers for front-end engineers — from storing and hosting client-side applications on S3, registering domains names and DNS with Route 53, deploying applications with AWS CLI, distributing applications with CloudFront's CDN, and much more! This course and others like it are available as part of our Frontend Masters video subscription. Published: October 16, 2018	Steve Kinney	Twilio SendGrid
Aws React Node GraphQL	https://frontendmasters.com/courses/aws-react-node-graphql/	In this course, Steve Kinney — returning Frontend Masters instructor and Principal Engineer at SendGrid — shows how to make your way through all the Amazon Web Services' offerings to quickly prototype on its cloud services and world-class infrastructure. Utilizing a new library from Amazon, you'll easily spin up services to add authentication, authorization, storage, databases, and APIs to your apps with AWS' Amplify, MobileHub, and AppSync! This course and others like it are available as part of our Frontend Masters video subscription. Published: July 16, 2018	Steve Kinney	Twilio SendGrid
Backbone Js In Depth Testing Mocha Sinon	https://frontendmasters.com/courses/backbone-js-in-depth-testing-mocha-sinon/	Non-trivial web applications demand moving beyond jQuery one-offs into testable, single-responsibility code architectures. Sam shows us Backbone's lightweight approach to building client-side MVC applications and builds in unit tests with Mocha and Sinon.JS. This course and others like it are available as part of our Frontend Masters video subscription. Published: October 16, 2013	Sam Breed	Credit Karma
Bash Vim Regex	https://frontendmasters.com/courses/bash-vim-regex/	In this course James Halliday (Substack), author with more than 750 packages at npm, walks you through an illuminating guide to everything Unix! You'll learn how to take control of the Unix command line to write your own tools, automate tasks with shell scripts and the pipeline, compose regular expressions to master search patterns, and easily edit files with the popular Vim editor. This course and others like it are available as part of our Frontend Masters video subscription. Published: August 16, 2017	James Halliday	Substack
Building Apps Angular	https://frontendmasters.com/courses/building-apps-angular/	Lukas Ruebbelke -- Google developer expert and author -- unpacks the powerful Angular framework, breaking it down into small, easy to follow pieces. You'll learn how to get up and running quickly with the Angular CLI, build out a real-world, production-ready application with Components, Services, Routes and Subcomponents. You'll also learn how to handle and validate form data, lazy load modules and test your application. A deep dive into Angular, this course is a must for JavaScript engineers who want to understand this powerful front-end web application platform! This course and others like it are available as part of our Frontend Masters video subscription. Published: February 7, 2018	Lukas Ruebbelke	BrieBug Software
Canvas WebGL	https://frontendmasters.com/courses/canvas-webgl/	Learn to use Canvas and WebGL with ThreeJS in this JavaScript course on Creative Coding! Tour the vast landscape of graphics programming on the web. Learn about generative art, interactive animations, 3D graphics with ThreeJS, and custom shaders in GLSL. These are the fundamental concepts behind creative development work, including VR/AR apps, games, art installations, interactive web experiences, and various other forms of computational arts. This course and others like it are available as part of our Frontend Masters video subscription. Published: December 11, 2018	Matt DesLauriers	Freelancer
Chrome Dev Tools	https://frontendmasters.com/courses/chrome-dev-tools/	Most people are aware that Dev Tools exist. Maybe you use them for tweaking CSS or the interactive console. But there is so much more! Let's look at everything the tools have to offer and how they can make your job a lot easier! Learn how to edit, debug and profile web applications with Chrome Developer Tools. This course and others like it are available as part of our Frontend Masters video subscription. Published: October 6, 2016	Jon Kuperman	Adobe
Chrome Dev Tools V2	https://frontendmasters.com/courses/chrome-dev-tools-v2/	Go beyond console.log to master all the built-in tools available in Google's Chrome Developer Tools to edit, debug, and profile your web applications! You'll learn to step through your code with the debugger, audit web page performance, debug Node.js, and remove "page jank" when a site isn't keeping up. This course and others like it are available as part of our Frontend Masters video subscription. Published: September 12, 2018	Jon Kuperman	Adobe
Client GraphQL	https://	Learn to use GraphQL on the client-side using React with Apollo Client. In this course, you'll use queries and mutations to fetch	Scott Moss	Tipe

Name	Link	Description	Instructor	Company
React	frontendmasters.com/courses/client-graphql-react/	and update GraphQL API data. You'll go further with variables, inputs, aliases on fields. Then attach your queries and mutations to React and interact with an Apollo Server using React hooks to build amazing things with React and GraphQL! This course and others like it are available as part of our Frontend Masters video subscription. Published: December 3, 2019		
Complete Intro Containers	https://frontendmasters.com/courses/complete-intro-containers/	What started as a way to manage multiple servers on one system has grown into the way we develop, write code, ship applications, and coordinate large scale applications! Containers may have started as tools for the ops team, but now everyone needs to learn to build and use them. In this course you'll learn, what containers are and how to create containers from scratch, how to run containers from Dockerhub, how to create your own containers with Docker files, best practices are for front-end and Node.js code in containers, and how to create development environments with containers. This course and others like it are available as part of our Frontend Masters video subscription. Published: January 15, 2020	Brian Holt	Microsoft
Complete Intro React	https://frontendmasters.com/courses/complete-intro-react/	This course has been updated and replaced by v3 of Complete Intro to React! Go there. Much more than an intro, Brian takes you through building an entire real-world web application in layers, giving you a complete, battle-won picture of the surrounding React ecosystem from Brian writing React in production at Netflix (and before that Reddit). Learn JSX, build React components, use tooling around React including: Babel, ESLint, Yarn, Jest and Webpack 2, and learn the latest React Router v4, plus use Redux for state management. This course and others like it are available as part of our Frontend Masters video subscription. Published: March 6, 2017	Brian Holt	Microsoft
Complete React V4	https://frontendmasters.com/courses/complete-react-v4/	Learn to build real-world applications in React! Much more than an intro, you'll start from the ground up all the way to using the latest features in React 16+ (like React Context and Portals). Then go beyond React to building scalable applications using latest tools available in the React ecosystem such as Parcel, Jest and Reach Router! This course and others like it are available as part of our Frontend Masters video subscription. Published: September 13, 2018	Brian Holt	Microsoft
Complete React V5	https://frontendmasters.com/courses/complete-react-v5/	Learn to build real-world applications using modern React! Much more than an intro, you'll start from the ground up, getting all the way to using the latest features in React, including hooks, effects, context, and portals. Throughout the course, you'll piece together tools from the entire React ecosystem (like Reach Router) to build a full application to browse adoptable pets. This course and others like it are available as part of our Frontend Masters video subscription. Published: June 4, 2019	Brian Holt	Microsoft
Computer Science	https://frontendmasters.com/courses/computer-science/	We're going to tackle some big topics in just five hours: Algorithms and Big O Analysis, Recursion, Sorting, Data Structures and Functional Programming. What? Is that even possible? We're sure as hell going to try! Since many of us are self taught and/or dropouts (myself included) we lack the advantages that a formal CS education can give. This additional theory can give us useful context to make tradeoffs in implementations and architectures. This course and others like it are available as part of our Frontend Masters video subscription. Published: July 12, 2016	Brian Holt	Microsoft
Computer Science 2	https://frontendmasters.com/courses/computer-science-2/	Learning computer science makes you a better developer, makes your apps better, and allows you to answer difficult engineering interview questions. In part 2 of the series, you'll join Brian Holt — returning Frontend Masters instructor and developer at Microsoft — as he unpacks 4 semesters of computer science in 5 hours. You'll dive deeper into computer science concepts such as traversing binary search trees, pathfinding, traversing graphs, generating a randomized maze, plus more ways to search and sort! This course and others like it are available as part of our Frontend Masters video subscription. Published: April 2, 2018	Brian Holt	Microsoft
Content Strategy	https://frontendmasters.com/courses/content-strategy/	Join Kristina Halvorson — owner of Brain Traffic and author of Content Strategy for the Web — as she unpacks the tools and framework for executing a cohesive content strategy for your website and organization. You'll learn how to conduct audience research, take inventory of your content, create a messaging framework and create a core statement to guide priorities for your team! This course is ideal for people who are new to content strategy, including writers, designers, marketers, and technical communicators who are advocating for better content within their organizations. This course and others like it are available as part of our Frontend Masters video subscription. Published: April 6, 2018	Kristina Halvorson	Brain Traffic
Css Grids Flexbox	https://frontendmasters.com/courses/css-grids-flexbox/	Starting with a review of floats for context, but quickly moving into Flexbox and CSS grids, this essential course is for web developers that want to build responsive, beautiful web applications faster using less code and best practices. Master CSS Grid and Flexbox, the latest tools and tricks to layout beautiful, responsive web applications with less code. This course and others like it are available as part of our Frontend Masters video subscription. Published: January 30, 2018	Jen Kramer	Harvard University Extension School
Css In Depth V2	https://frontendmasters.com/courses/css-in-depth-v2/	In this course, Estelle Weyl (Standardista) shows you the full capabilities of CSS3. Deep-dive into the essential features of CSS, while also exploring new CSS features you probably didn't know existed. Learn CSS Selectors and Specificity, style web forms, learn visual effects like gradients, transforms, animations and transitions, use Flexbox and CSS Grid... and more! This course	Estelle Weyl	Mozilla Developer Network

Name	Link	Description	Instructor	Company
		and others like it are available as part of our Frontend Masters video subscription.Published: January 31, 2018		
Css3 In Depth	https://frontendmasters.com/courses/css3-in-depth/	Learn how deep the CSS3 rabbit hole goes in this jam-packed course with CSS luminary Estelle Weyl. Estelle dives deep into the various components of CSS3 including: selectors, specificity, generated content, media queries, debugging, colors, fonts, shadows, text-effects, borders, backgrounds, gradients, transforms, transitions, animations...and more!This course and others like it are available as part of our Frontend Masters video subscription.Published: August 25, 2013	Estelle Weyl	Mozilla Developer Network
Customize Vs Code	https://frontendmasters.com/courses/customize-vs-code/	Dive into VS Code and explore some of the neat tricks and powerful extensions that you can use to improve your speed and productivity while learning to work smarter, not harder. Examine the editor from top to bottom, covering editor fundamentals, tips, and tricks, as well as how to turn VS Code into a full-fledged integrated development environment to do things like refactor and debug code, work with databases, and work with git ...all within the editor!This course and others like it are available as part of our Frontend Masters video subscription.Published: October 2, 2019	Burke Holland	Microsoft
D3 Js Custom Charts	https://frontendmasters.com/courses/d3-js-custom-charts/	Make your data visualizations designs a reality with D3.js, a JavaScript library for producing dynamic, interactive data visualizations on the web! By coding along with Shirley Wu, you will go through basic visualization principles needed for designing custom data visualizations and delve into the D3.js modules, SVG, and web technologies that are necessary to make advanced data visualizations designs.This course and others like it are available as part of our Frontend Masters video subscription.Published: September 11, 2018	Shirley Wu	Data Sketches
D3 Js React	https://frontendmasters.com/courses/d3-js-react/	Learn to design simple visualizations with D3.js and React! In this course, follow along with Shirley Wu as she goes through fundamental visualization theories and shows how to apply them to different chart types. Plus, Shirley demonstrates the best practices on how to use D3.js to generate the data for these visualizations, and how to use React to render them.This course and others like it are available as part of our Frontend Masters video subscription.Published: September 10, 2018	Shirley Wu	Data Sketches
D3 V4	https://frontendmasters.com/courses/d3-v4/	Take advantage of the latest in data visualization by learning the core concepts of d3.js and experiencing the power to represent data in new ways! Learn from Shirley Wu as she demonstrates d3.js, a JavaScript library for producing dynamic, interactive data visualizations on the web. Get hands-on experience with data binding and learn how it works with the enter-update-exit pattern, Start coding your own D3 examples within the bl.ocks ecosystem and build a full chart with scales, axis, and legends. Also, learn to animate between different D3 layouts for truly interactive charts – bring your data to life!This course and others like it are available as part of our Frontend Masters video subscription.Published: May 18, 2017	Shirley Wu	Data Sketches
Data Structures Algorithms	https://frontendmasters.com/courses/data-structures-algorithms/	Immerse yourself in a course tailored for engineers comfortable with JavaScript, but wanting to better understand the data structures and algorithms necessary to ace job interviews and build better software. Learn topics like recursion, stacks & queues, sorting algorithms, trees, linked lists, Binary Search Trees, Graphs, & Hash Tables, Big-O and Breadth-First and Depth-First Search all in one place! This course is your key to understanding some of the most common data structures and algorithms in Computer Science while reinforcing JavaScript programming techniques. Master these concepts and you can approach your next job interview or coding challenge with confidence!This course and others like it are available as part of our Frontend Masters video subscription.Published: March 29, 2017	Bianca Gandolfo	Thumbtack
Data Structures Interviews	https://frontendmasters.com/courses/data-structures-interviews/	In this course, Bianca Gandolfo – JavaScript consultant and returning Frontend Masters instructor – demonstrates how to organize and use data efficiently with data structures. Following along with the course, you'll learn to implement the most common data structures such as linked lists, hash tables, and stacks/queues. Plus, review and solve common technical interview questions through practice and solution walkthroughs!This course and others like it are available as part of our Frontend Masters video subscription.Published: August 9, 2018	Bianca Gandolfo	Thumbtack
Debugging Javascript	https://frontendmasters.com/courses/debugging-javascript/	Stomp out bugs and clean up JavaScript apps! In this course, Todd Gardner (Co-founder of TrackJS), walks through common JavaScript bugs and how to isolate and fix the source of the problems. By coding along, you'll learn the four stages of a debugging cycle needed to fix bugs. Use Chrome Dev Tools, debugger, network profile and more to fix memory leaks, performance problems, network failures and more! This course is for any JavaScript developer that builds, maintains, or tests an application that uses JavaScript. With the knowledge you gain, you'll be armed to find and squash those bugs faster and for good!This course and others like it are available as part of our Frontend Masters video subscription.Published: May 22, 2017	Todd Gardner	TrackJS
Deep Javascript V3	https://frontendmasters.com/courses/deep-javascript-v3/	Dive into the core pillars of the JavaScript language with Kyle Simpson, author of the popular, You Don't Know JS, book series. You'll learn JavaScript's types, how to convert between them, and compare them with == and ===. You'll also learn lexical scope and closure. As well as the objects oriented system (this, prototypes and classes).This course and others like it are available as part of our Frontend Masters video subscription.Published: April 3, 2019	Kyle Simpson	You Don't Know JS

Name	Link	Description	Instructor	Company
Design For Developers	https://frontendmasters.com/courses/design-for-developers/	Learn how to become self-sufficient for the entire process of execution from concept to design to implementation. Also, understand the rules for designing to become a better collaborator to design team members and better able to execute the creation of complex and beautiful front-end experiences!This course and others like it are available as part of our Frontend Masters video subscription.Published: January 13, 2019	Sarah Drasner	Netlify
Design Systems	https://frontendmasters.com/courses/design-systems/	Design systems increase the speed of development across teams, as well as make your applications look and feel consistent. In this course, you'll create a design system from scratch and learn the foundational design concepts that go into one. You'll design your components using Figma, then take those designs and turn them into coded components using React. Finally, you'll animate those components, document them with Storybook, and deploy your Storybook application so you can share it with your team!This course and others like it are available as part of our Frontend Masters video subscription.Published: May 12, 2020	Emma Bostian	Spotify
Digging Into Node	https://frontendmasters.com/courses/digging-into-node/	Node.js has taken the JavaScript world by storm, but where do you start when all you see are tens of thousands of packages/frameworks on npm? The best place to start is always at the foundation, and that's what this course focuses on. In this course, you'll get to know the fundamental concepts in Node.js&colon CLI programming, file system access, asynchrony, streams, HTTP servers & routing, database persistence, and child processes.This course and others like it are available as part of our Frontend Masters video subscription.Published: July 9, 2019	Kyle Simpson	You Don't Know JS
Electron	https://frontendmasters.com/courses/electron/	Learn how to build desktop applications with Electron, the underlying technology for Github's Atom text editor, Microsoft's Visual Studio Code IDE, Slack's desktop application, and many others! Learn to build cross-platform desktop web applications for MacOS, Windows, and Linux with JavaScript. Manage Electron's multiple process architecture and facilitate communication between processes. Build applications that live in the system's menu bar or taskbar. And learn to debug, test, package and distribute your applications on multiple operating systems.This course and others like it are available as part of our Frontend Masters video subscription.Published: March 27, 2017	Steve Kinney	Twilio SendGrid
Electron V2	https://frontendmasters.com/courses/electron-v2/	Build native, cross-platform (macOS, Linux & Windows) desktop applications with your HTML, CSS & JavaScript skills using Electron! In this course, you'll get hands-on experience building real-world apps that live in the menubar and system tray. You'll learn to package and ship your apps, plus ship updates with auto-update.This course and others like it are available as part of our Frontend Masters video subscription.Published: February 18, 2019	Steve Kinney	Twilio SendGrid
Elm	https://frontendmasters.com/courses/elm/	Write bulletproof, easily maintainable web applications with Elm, the functional programming language that is transforming web application development. Build an Elm application from start to finish, inter-operate between Elm and JavaScript, organize Elm code using modules and the Elm Architecture and write unit tests for Elm applications. In this course, you will learn functional programming techniques that are useful not only in Elm but in other languages as well.This course and others like it are available as part of our Frontend Masters video subscription.Published: February 5, 2017	Richard Feldman	NoRedInk
Ember 2	https://frontendmasters.com/courses/ember-2/	Ember.js is a framework well-suited for complex and highly interactive apps. Its "convention over configuration" philosophy can end up saving developers from spending time and energy, having to write boilerplate code. With ember's release of v2, the framework is more performant and complete than ever. In this course, we'll learn about the ember ecosystem, and build a rich cross-device app together step-by-step from scratch.This course and others like it are available as part of our Frontend Masters video subscription.Published: January 26, 2016	Mike North	LinkedIn
Ember Octane	https://frontendmasters.com/courses/ember-octane/	Learn to build an Ember Octane app from scratch that works as a Progressive Web App (PWA), while staying focused on Ember's main core concepts&colon routing and components. You'll get hands-on experience with glimmer components, tracked properties, actions, modifiers and everything you need to know to build performant, production-ready Ember apps with Octane!This course and others like it are available as part of our Frontend Masters video subscription.Published: July 2, 2019	Mike North	LinkedIn
Es6 Right Parts	https://frontendmasters.com/courses/es6-right-parts/	Get comfortable with the latest evolutions of this great JavaScript language. By coding along with Kyle in this course you will learn: To use 'let' and 'const', Destructuring, template literals, Iterators and generators. Plus learn arrow functions, default parameters, rest and spread operators, computed and concise properties and methods. Learn to use these new ES6 JavaScript language features to write cleaner, more productive, and more readable programs!This course and others like it are available as part of our Frontend Masters video subscription.Published: January 10, 2017	Kyle Simpson	You Don't Know JS
Firebase React	https://frontendmasters.com/courses/firebase-react/	Use the Firebase platform to deploy sophisticated web and mobile apps without having to build your own complex, server-side infrastructure. Get setup and learn to update React components in real time. Deploy your app, add OAuth authentication and activate database security rules. Plus, store media files in Firebase Storage and use Cloud Functions with Server Workers to set	Steve Kinney	Twilio SendGrid

Name	Link	Description	Instructor	Company
		up notifications with Firebase Cloud Messaging. This course is a must for any React and Redux users who want to integrate with Firebase's cloud-hosted NoSQL database platform to create robust web and mobile applications! This course and others like it are available as part of our Frontend Masters video subscription. Published: March 31, 2017		
Firebase React V2	https://frontendmasters.com/courses/firebase-react-v2/	Build full-stack applications leveraging your React skills on top of Google's Firebase platform! You'll get hands-on experience building a real-world application from the ground up and deploying it to the cloud. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 28, 2019	Steve Kinney	Twilio SendGrid
Front End Game	https://frontendmasters.com/courses/front-end-game/	Learn to architect a full-featured front-end project from scratch while building a game with vanilla JavaScript, HTML, and CSS. Throughout the course, you'll learn tips to organize your front-end code, manage application state using state machines, and automate writing better code using tools like ESLint, Parcel, and Prettier. Have fun using professionally made art to build a digital pet game! This course and others like it are available as part of our Frontend Masters video subscription. Published: May 26, 2020	Brian Holt	Microsoft
Full Stack	https://frontendmasters.com/courses/full-stack/	Become a Full Stack Engineer and gain the confidence to master the command line and server. You'll learn how the internet works from DNS to IP tables. Learn to setup a domain with HTTPS on your own virtual private server (VPS). Learn VIM and SSH from the command line. You'll gain practical knowledge of everything from building a web presence, to setting up a virtual server, to publishing on your custom domain – all from the command line. This course and others like it are available as part of our Frontend Masters video subscription. Published: March 28, 2017	Jem Young	Netflix
Full Stack V2	https://frontendmasters.com/courses/full-stack-v2/	Use the full stack to setup and deploy modern and secure web applications with Nginx and Node.js. You'll setup your web server through the command line – package node.js modules with NPM, setup SSH, firewall and server security, use advanced shell scripting, configure server updates, caching and optimize nginx performance using gzip compression and HTTP2. By using these practices, you'll deliver richer experiences, using less bandwidth all while being more secure! This course and others like it are available as part of our Frontend Masters video subscription. Published: February 14, 2018	Jem Young	Netflix
Fullstack V2	https://frontendmasters.com/courses/fullstack-v2/	Learn what it means to become a full-stack engineer! If you're going to be a well rounded engineer, it's important you understand what is happening on the server-side. In this course, you'll learn to move back and forth between UI and the back-end through the the command line, SSH, nginx, docker containers, server security, HTTP/2, HTTP/3 and more. This course and others like it are available as part of our Frontend Masters video subscription. Published: November 13, 2019	Jem Young	Netflix
Functional Javascript	https://frontendmasters.com/courses/functional-javascript/	Learn to apply techniques from the forefront of computer science research to solve practical problems in Javascript. Discover functional programming and see it demonstrated step-by-step with how to build an example web app using abstract interfaces like Monads, Functors, Monoids and Applicatives. Prepare to change the way you write and think about JavaScript code forever... This course and others like it are available as part of our Frontend Masters video subscription. Published: August 15, 2014	Brian Lonsdorf	Salesforce
Functional Javascript V2	https://frontendmasters.com/courses/functional-javascript-v2/	Learn the fundamentals of functional programming in JavaScript in this (updated, version 2) of the course with Kyle Simpson – Author of "You Don't Know JS" book series – to write more flexible and effective code. Kyle covers the core of functional JavaScript with concepts like pure functions, .map() .reduce() .filter(), recursion and function composition. Plus go even deeper with advanced functional programming concepts like fusion, transducing and monads! This course is for experienced JavaScript developers who want to learn how to employ more trustworthy and verifiable code, plus enhance readability of that code. This course and others like it are available as part of our Frontend Masters video subscription. Published: August 14, 2017	Kyle Simpson	You Don't Know JS
Functional Javascript V3	https://frontendmasters.com/courses/functional-javascript-v3/	Learn to apply functional programming concepts in JavaScript to make your programs more readable and less error-prone! Kyle Simpson will walk you through the core concepts of functional programming like function purity, point-free style, partial-application, currying, composition, immutability, recursion, and list operations like map/reduce/filter. You'll go even deeper with monads and transduction, two more techniques to add to your tool belt! This course and others like it are available as part of our Frontend Masters video subscription. Published: June 18, 2019	Kyle Simpson	You Don't Know JS
Functional Js Fundamentals	https://frontendmasters.com/courses/functional-js-fundamentals/	Explore the increasingly popular paradigm of functional programming in JavaScript! You'll learn how to wield and manipulate functions to develop more readable, maintainable and manageable codebases. You'll go under the hood of powerful techniques like Higher Order Functions, Function Composition, Pure Functions, and Immutability of State. This course and others like it are available as part of our Frontend Masters video subscription. Published: October 1, 2019	Will Sentance	Codesmith
Functional Js Lite	https://frontendmasters.com/	This course has been updated to v2 of Functional-Lite JavaScript. Go there. Kyle Simpson, author of the "You Don't Know JavaScript" book series, covers the 80/20 of functional programming. Get most of the benefit without all the crazy rules and	Kyle Simpson	You Don't Know JS

Name	Link	Description	Instructor	Company
	courses/functional-js-lite/	academic language that's sometimes used to talk about simple concepts. Kyle shows a practical take on functional programming so you can use techniques like Pure Functions, Composability & Immutability, map/reduce/filter and Recursion to improve your programs today. This course and others like it are available as part of our Frontend Masters video subscription. Published: March 8, 2016		
Gatsby	https://frontendmasters.com/courses/gatsby/	Learn to build blazing fast apps and websites with React using Gatsby, a static PWA (Progressive Web App) generator! Starting from scratch, you'll learn to build a full blog app. Use GraphQL in Gatsby for storing and retrieving data, create pages and posts with MDX, optimize your images automatically with the gatsby-image, and load 3rd party data from Instagram to display in components. Then deploy your brand new blog website to Netlify for the world to see! This course and others like it are available as part of our Frontend Masters video subscription. Published: June 13, 2019	Jason Lengstorf	Netlify
Getting Started Javascript V2	https://frontendmasters.com/courses/getting-started-javascript-v2/	Want to learn to code using JavaScript? This is a great place to start! In this course, you'll start out with a tour of the basic building blocks programming like variables, loops, functions and operations. Then, you'll go through the three main pillars of JavaScript: Types and Coercion for comparing values and converting between types, Scope and Closure for knowing where variables can be accessed, and JavaScript's "this" and Prototype system for dynamic context. This course and others like it are available as part of our Frontend Masters video subscription. Published: June 20, 2019	Kyle Simpson	You Don't Know JS
Git In Depth	https://frontendmasters.com/courses/git-in-depth/	You've likely had the experience of being frustrated by git. It's a powerful tool, but it introduces terminology and concepts that aren't easily understood without diving deep into how git works. Learn from Nina Zakharenko -- software engineer at Venmo -- as she breaks down Git's design philosophies and internal workings, making them straightforward and easy to follow. Master advanced techniques to manage commits and branching, rebasing vs merging, git hooks, merge conflicts, and use the Github API and automate workflows for building applications. A deep dive into git, this course is optimized for developers who already use git every day and want to supercharge their team collaboration and coding productivity. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 20, 2018	Nina Zakharenko	Microsoft
Go For Js Devs	https://frontendmasters.com/courses/go-for-js-devs/	Get started with the Go programming language from a JavaScript developer's perspective. You'll learn the syntax of Go, what data structures are available to you, and how to handle errors responsibly. After getting an idea of what you have to work with, you'll create a web server with routing, build an application to hit an external API, and receive a brief introduction on how the Go language manages concurrency with goroutines! This course and others like it are available as part of our Frontend Masters video subscription. Published: April 9, 2020	Brenna Martenson	Highwing.io
Good Parts Javascript Web	https://frontendmasters.com/courses/good-parts-javascript-web/	In this course, you will learn the history of JavaScript, the details of the language, with particular attention to functions, which is where the power of the JavaScript language is hidden. There is also an overview of how browsers work, how servers work, and security. This course and others like it are available as part of our Frontend Masters video subscription. Published: June 20, 2016	Douglas Crockford	Paypal
GraphQL	https://frontendmasters.com/courses/graphql/	Learn how GraphQL empowers more flexibility into your APIs -- and learn to build GraphQL APIs with Apollo Server! You'll create GraphQL Schemas using scalar types, object type, queries and mutations. Then create resolvers to fulfill the data. Use interfaces and unions. Finally, add authentication to lock down resources. This course and others like it are available as part of our Frontend Masters video subscription. Published: January 22, 2019	Scott Moss	Tipe
Hapi Js	https://frontendmasters.com/courses/hapi-js/	Node.js remains to be a very popular choice for building data APIs. While Express.js is a common framework choice when using Node, it does have some shortcomings which can lead to lengthy development cycles and hard-to-debug code. Hapi.js is an alternative that comes with a rich ecosystem of accompanying libraries and plugins. Like many other developers, you'll probably find that building apps, APIs, and services with Hapi.js is practical, smooth, and sensible. Learn how to build a data API with Hapi.js from the ground up. You'll learn everything from how to serve a basic API to how to use advanced Hapi.js features, including the ecosystem of libraries and plugins that it comes with. This course and others like it are available as part of our Frontend Masters video subscription. Published: May 10, 2017	Ryan Chenkie	Auth0
Hardcore Js Patterns	https://frontendmasters.com/courses/hardcore-js-patterns/	Learn patterns to architect your JavaScript programs using functional programming techniques. In this course, you'll libraries and applications using functional programming patterns. You'll also learn new tools to apply, such as Monoids, Monad Transformers, Free Monads, and Lenses. See functional programming in action! This course and others like it are available as part of our Frontend Masters video subscription. Published: April 3, 2020	Brian Lonsdorf	Salesforce
Hardcore Js V2	https://frontendmasters.com/	Learn to apply techniques from the forefront of computer science research to solve practical problems in JavaScript. Discover functional programming concepts like pure functions, currying, composition, functors, and monads. You'll see all these	Brian Lonsdorf	Salesforce

Name	Link	Description	Instructor	Company
	courses/hardcore-js-v2/	techniques in action, including the Either and Task monads, in a real-world application fetching weather data. Prepare to change the way you write and think about front-end code forever! This course and others like it are available as part of our Frontend Masters video subscription. Published: March 17, 2020		
Html Email V2	https://frontendmasters.com/courses/html-email-v2/	Email remains incredibly effective for reaching customers. In this course, you'll learn the foundations of HTML email such as structure, semantic markup, layouts, and creating accessible email. Then you'll dive into more complex topics like responsive techniques and adding interactivity to email campaigns. This course and others like it are available as part of our Frontend Masters video subscription. Published: November 6, 2019	Jason Rodriguez	Litmus
Html5 Media Apis	https://frontendmasters.com/courses/html5-media-apis/	HTML5 gives us power beyond what we've had before through native APIs in the browser delivering rich media, realtime effects and communication. In this course, you'll get hands-on examples of building your own media players on top of HTML5 APIs. You'll dive into camera support with getUserMedia, WebRTC for realtime communication, video effects with canvas, and get introduced to the Web Audio API for low-level audio support. This course and others like it are available as part of our Frontend Masters video subscription. Published: April 8, 2014	Mark Boas	jPlayer
Interactive Data Visualization D3 Js	https://frontendmasters.com/courses/interactive-data-visualization-d3-js/	We've updated this course to d3.js v4 with Shirley Wu! We recommend you go there. Ian Johnson, the organizer of Bay Area d3 (the largest d3 meetup in the world), starts with SVG and then dives deep into d3 including DOM manipulation, categorical and quantitative scales, axis, brushes, color schemes, events and histograms. Make sense of your data by exploring it visually with D3.js! This course and others like it are available as part of our Frontend Masters video subscription. Published: December 20, 2013	Ian Johnson	Bay Area D3 and Tributary
Intermediate Gatsby	https://frontendmasters.com/courses/intermediate-gatsby/	The baseline setup in Gatsby will take you far, but in any complex app or website, you'll end up needing to go beyond the defaults. This course will teach you how to leverage Gatsby's APIs to handle advanced use cases like handling dynamic content, packaging up functionality to move between sites with Gatsby themes, customizing Gatsby's schema and GraphQL API data, and more! This course and others like it are available as part of our Frontend Masters video subscription. Published: December 17, 2019	Jason Lengstorf	Netlify
Intermediate Python	https://frontendmasters.com/courses/intermediate-python/	Understand key python features for building real-world Python applications! In this course, you'll use list comprehensions to manipulate large quantities of data. You'll learn the basics of how Python implements Object Oriented Programming. Also learn how to approach error handling, external libraries and modules, and use a web framework to build a Python web application. This course and others like it are available as part of our Frontend Masters video subscription. Published: May 1, 2019	Nina Zakharenko	Microsoft
Intermediate React	https://frontendmasters.com/courses/intermediate-react/	Learn to build scalable React applications using the tools and techniques available in the React ecosystem. You'll test your React components with Jest, leverage CSS in JS with the emotion, code split with React Loadable, use server-side rendering in React with Node.js, add TypeScript, and more! This course and others like it are available as part of our Frontend Masters video subscription. Published: September 14, 2018	Brian Holt	Microsoft
Intermediate React V2	https://frontendmasters.com/courses/intermediate-react-v2/	Learn to build scalable React applications using the latest tools and techniques available in the React ecosystem! This is a modular course where you can pick and choose the various pieces of the react ecosystem you want to learn. You'll learn hooks in-depth, CSS-in-JS with emotion, increase performance with code splitting and server-side rendering, add TypeScript, test your app with Jest ...and more! This course and others like it are available as part of our Frontend Masters video subscription. Published: June 11, 2019	Brian Holt	Microsoft
Interviewing Frontend	https://frontendmasters.com/courses/interviewing-frontend/	In this course, you'll learn to pass front-end engineering interviews, and give better interviews as a technical manager. Your instructor, Jem Young, leverages his experience conducting dozens of interviews as Senior Software Engineer at Netflix. He'll walk you through the entire process of the interview from the phone screen to real cultural and technical interview questions that companies use today. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 13, 2020	Jem Young	Netflix
Intro Elm	https://frontendmasters.com/courses/intro-elm/	Learn the benefits of Elm and learn why it has the reputation for never crashing. In this course, you'll build an Elm application from start to finish using elm-package to access Elm's package ecosystem, write tests with elm-test, work with third-party JavaScript libraries from Elm using JavaScript Interop, and much more! Throughout the course, Richard discusses tips and tricks for getting the most out of the language. This course uses the latest 0.19 version of Elm. This course and others like it are available as part of our Frontend Masters video subscription. Published: October 17, 2018	Richard Feldman	NoRedInk
Introduction	https://	Christopher Schmitt, author of HTML5 Cookbook, explains semantics and HTML5 features such as audio, video and	Christopher	Frontend

Name	Link	Description	Instructor	Company
Html5 Css3	frontendmasters.com/courses/introduction-html5-css3/	geolocation. He dives into CSS3 and then dazzles us with his CSS flag using many of CSS3's features. Note: This course is still valuable, but has been superseded by our comprehensive, Introduction to Web Development course. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 28, 2012	Schmitt	Masters
Introduction To Javascript JQuery	https://frontendmasters.com/courses/introduction-to-javascript-jquery/	Karl Swedberg, author of Learning jQuery and the jQuery API Documentation (api.jquery.com), teaches you what you need to know about the JavaScript language before diving into jQuery; including closures, anonymous functions, and implicit versus explicit iteration. If you missed out on a formal education on pure JavaScript, this workshop will help get you up to speed on the language. Karl also teaches on jQuery selectors in the last section of the course. Note: This course is still valuable, but has been superseded by our comprehensive, Introduction to Web Development course. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 12, 2012	Karl Swedberg	Learning jQuery
Jamstack	https://frontendmasters.com/courses/jamstack/	Front-end developers have significantly more power and autonomy to create full-featured apps as the back-end is being moved more and more into services. In this course, you'll learn how the different parts of the JAMstack fit together, from building apps out of only static assets to handling asynchronous interactions with serverless functions. You'll also set up advanced features like authentication and store and retrieve information from databases, then ship your new site to production! This course and others like it are available as part of our Frontend Masters video subscription. Published: February 16, 2020	Jason Lengstorf	Netlify
Javascript Accessibility	https://frontendmasters.com/courses/javascript-accessibility/	We can produce innovative and inclusive JavaScript-powered web apps! This course will teach you to remove barriers to access that might prevent people with disabilities from using a modern JavaScript web application. We'll study accessibility in UI components, primarily with React and Gatsby.js, but with knowledge applicable to all JavaScript-heavy web stacks. Debug your sites for accessibility, manage keyboard focus, announce live updates to the page to screen readers, and use manual and automated testing to gain web accessibility superpowers! This course and others like it are available as part of our Frontend Masters video subscription. Published: August 28, 2019	Marcy Sutton	Gatsby
Javascript Basics	https://frontendmasters.com/courses/javascript-basics/	Want to learn to program and use JavaScript as the language you explore with? I think that's a great idea! JavaScript is uniquely one of the easiest languages to get started with and one of the most powerful languages that will challenge you to learn more even years or decades after you start. This course and others like it are available as part of our Frontend Masters video subscription. Published: August 19, 2015	Kyle Simpson	You Don't Know JS
Javascript Coercion	https://frontendmasters.com/courses/javascript-coercion/	Most people will cite coercion and the == operator as the black magic that should never show up in your programs. Not only is coercion much easier to learn and properly apply than you've believed, but avoiding it is missing out on important clarifications in style and readability of your code. This course and others like it are available as part of our Frontend Masters video subscription. Published: August 19, 2015	Kyle Simpson	You Don't Know JS
Javascript Foundations	https://frontendmasters.com/courses/javascript-foundations/	Join Kyle Simpson – author of the popular “You Don't Know JavaScript” book series – as he reveals the deep foundations of JavaScript. You'll learn about object wrappers, coercion, scope, closure, types, prototype system, ES6 features, == vs === and more. Understand deeply how the JavaScript engine looks for variables in function and block scope (var, let and const). Learn which ES6 features can help or hurt your coding and which new features should be used with caution. Also why coercion is one of the overlooked keys to using JavaScript more effectively. With this course, you'll see how gaining a deeper understanding of JavaScript will make you a better communicator and programmer! NOTE: The course material has been re-arranged. The first challenge on Coercion has been moved to the end of the course. This course and others like it are available as part of our Frontend Masters video subscription. Published: July 18, 2017	Kyle Simpson	You Don't Know JS
Javascript Frameworks Showdown	https://frontendmasters.com/courses/javascript-frameworks-showdown/	Over the past year the rise of the MV* has been meteoric. It seems you cannot go more than a few sentences discussing JavaScript without mentioning Angular, Ember, Backbone or React. It also is certainly not without merit: JavaScript frameworks can greatly increase your productivity in client side code. Brian Holt (Reddit) gives a fitting treatise to each of the four frameworks and help you understand which one is best suited to you and your next big project. This course and others like it are available as part of our Frontend Masters video subscription. Published: September 10, 2014	Brian Holt	Microsoft
Javascript Hard Parts	https://frontendmasters.com/courses/javascript-hard-parts/	Dive deep into JavaScript to solve complex coding challenges by learning critical concepts that most JavaScript engineers don't even understand. Learn what you need to know to become a sought-after, versatile, problem-solving developer. Combining mental models of JavaScript's inner workings and hands-on programming challenges, this course will give you a solid understanding of callbacks and higher order functions, closure, asynchronous JavaScript, and object-oriented JavaScript! This course is for developers with a basic to intermediate knowledge of JavaScript who want to deepen their understanding to take it to the next level. This course and others like it are available as part of our Frontend Masters video subscription. Published: January 22, 2018	Will Sentence	Codesmith

Name	Link	Description	Instructor	Company
Javascript Hard Parts V2	https://frontendmasters.com/courses/javascript-hard-parts-v2/	Go under the hood of some of the most important aspects of JavaScript! You'll learn what you need to know to become a sought-after, versatile, problem-solving developer. Combining mental models of JavaScript's inner workings and hands-on programming challenges, this course will give you a solid understanding of callbacks and higher-order functions, closure, asynchronous JavaScript, and object-oriented JavaScript! This course is for developers with a basic to intermediate knowledge of JavaScript who wants to deepen their understanding of the fundamentals to the next level. This course and others like it are available as part of our Frontend Masters video subscription. Published: January 7, 2020	Will Sentence	Codesmith
Javascript JQuery Dom	https://frontendmasters.com/courses/javascript-jquery-dom/	Gain an advanced understanding of difficult JavaScript concepts such as JavaScript closure, new keyword, "this", prototypical inheritance, type comparators, coercion and delete. Learn what happens in memory with pointers when using assignments and "delete". Then learn what's under the hood of the popular jQuery library by building your own version of the library in vanilla JavaScript and the DOM API. Learn to build interactive components from scratch using pure DOM scripting and advanced JS concepts. This course and others like it are available as part of our Frontend Masters video subscription. Published: March 21, 2015	Justin Meyer	Bitovi
Javascript New Hard Parts	https://frontendmasters.com/courses/javascript-new-hard-parts/	In this course, you will develop an intuitive understanding of the new features of JavaScript in ES6+: iterators, generators, promises, and async/await. You'll understand how promises are implemented under-the-hood to truly help fix the challenge of inversion of control in asynchronous code design. Plus, use iterators and generators to master asynchronous control flow. Go under the hood and solve complex async challenges by using the call stack, event loop, callback queue, micro-task queue and browser APIs so that you can navigate complex asynchronous problems, easily! This course and others like it are available as part of our Frontend Masters video subscription. Published: July 10, 2018	Will Sentence	Codesmith
Javascript The Good Parts	https://frontendmasters.com/courses/javascript-the-good-parts/	This course has been replaced with a new extended version JavaScript the Good Parts! JavaScript has bad parts that many times overshadow its good parts. Douglas claims JavaScript has, "some of the best parts of any programming language ever created". He explains why in this course, quizzes you on functional programming and covers the monad in the final lecture of the course. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 19, 2013	Douglas Crockford	Paypal
Javascript Wordpress	https://frontendmasters.com/courses/javascript-wordpress/	Learn how to incorporate WordPress themes, plug-ins, and more with JavaScript! Use AJAX in WordPress Themes and Plugins and decouple requests to the WordPress REST API using the Node.js API Client. Also how to authenticate the decoupled requests to the WordPress REST API. This course is for developers with an intermediate knowledge of JavaScript who want to learn how to use JavaScript to harness the power of WordPress for themes, plugins and decoupled projects using the WordPress REST API! This course and others like it are available as part of our Frontend Masters video subscription. Published: November 15, 2017	Zac Gordon	JS for WordPress
Jquery In Depth	https://frontendmasters.com/courses/jquery-in-depth/	Karl leverages his experience on the jQuery Team and gives a thorough walkthrough of all of the most important parts of jQuery. He discusses how to resolve some common misuses of each of these areas and also covers recent changes to jQuery like the new Ajax promise API and cleaning up your event handling and delegation by using the new "on" method. Note: This course is still valuable, but has been superseded by our comprehensive, Introduction to Web Development course. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 28, 2012	Karl Swedberg	Learning jQuery
Jquery Plugins JQuery Ui	https://frontendmasters.com/courses/jquery-plugins-jquery-ui/	Scott Gonzalez, lead developer for jQuery UI, dives into patterns and practices for writing jQuery plugins and how you can make your plugins stateful. Scott covers many of the jQuery UI plugins in-depth, pointing out strengths and weaknesses as he sees them in the various plugins. He also covers how you can make your plugins stateful with the widget factory (the underlying framework for each of the jQuery UI widgets). Scott also gives an overview of themeroller and theming jQuery UI. This course and others like it are available as part of our Frontend Masters video subscription. Published: February 28, 2012	Scott Gonzalez	Clipper Magazine
Js Fundamentals Functional V2	https://frontendmasters.com/courses/js-fundamentals-functional-v2/	A deep dive into JavaScript and functional programming techniques, this course is for beginner to intermediate JavaScript developers who want to learn techniques to write professional, modern JavaScript. In this course, Bianca cuts through the technical jargon to reveal the core concepts of JavaScript and applying functional programming techniques to JavaScript. Learn higher-order functions, closures, scope and the fundamentals necessary to use modern frameworks like React, Angular and Vue. You'll master key functional methods like map, reduce and filter ...plus promises and ES6+ asynchronous JavaScript! This course and others like it are available as part of our Frontend Masters video subscription. Published: February 27, 2018	Bianca Gandolfo	Thumbtack
Js Fundamentals To Functional	https://frontendmasters.com/courses/js-fundamentals-to-functional/	Solidify your knowledge of objects, arrays and prototypes in JavaScript. Then you'll master closures, use higher-order functions/callbacks and learn underscore.js so you have a foundation to build on more complex concepts like functional programming. This course and others like it are available as part of our Frontend Masters video subscription. Published: January	Bianca Gandolfo	Thumbtack

Name	Link	Description	Instructor	Company
	functional/	16, 2015		
Js Recent Parts	https://frontendmasters.com/courses/js-recent-parts/	Learn the latest features in JavaScript with Kyle Simpson, author of the popular, You Don't Know JS, book series. You'll get up to speed with new JavaScript features like tagged template literals, destructuring, iterators, generators, regex improvements and async await. This course and others like it are available as part of our Frontend Masters video subscription. Published: April 5, 2019	Kyle Simpson	You Don't Know JS
Jsnext Es6	https://frontendmasters.com/courses/jsnext-es6/	Note: This course has been updated / replace with ES6: The Right Parts The next few years in JavaScript will see many changes, both on the client-side as well as on the server. Many of the popular JavaScript frameworks will include a build step so that they can fully take advantage of the new constructs in the language – ES6. This course introduced you to some of the most important features of the next version of JavaScript, ES6 including: let, REST params, spread operator, destructuring, arrow functions, classes, collections, modules and more! This course and others like it are available as part of our Frontend Masters video subscription. Published: December 15, 2014	Aaron Frost	SaltStack
Lean Front End Engineering	https://frontendmasters.com/courses/lean-front-end-engineering/	Bill Scott leverages his experience as Director of UI Engineering at Netflix and now Sr. Director at PayPal to teach us concepts behind delivering great experiences in the interfaces we build. He applies lean startup principles to UI engineering in order to teach how to develop an effective process, team and lean tech stack to achieve rapid experimentation and learning in the products we build. This course and others like it are available as part of our Frontend Masters video subscription. Published: June 7, 2013	Bill Scott	PayPal
Leveldb Crypto	https://frontendmasters.com/courses/leveldb-crypto/	Dive into cryptography fundamentals and LevelDB to build stronger, more secure applications! Code with James Halliday as you pair modern cryptography and the modular NoSQL databases of LevelDB to help you fortify your communications systems. This course and others like it are available as part of our Frontend Masters video subscription. Published: September 13, 2017	James Halliday	Substack
Linting Asts	https://frontendmasters.com/courses/linting-asts/	Learn Abstract Syntax Trees to help keep track of stylistic code changes, reveal logical problems, and spot domain-specific issues to prevent bugs from entering your codebase. By coding along with Kent in this course, you'll learn: What Abstract Syntax Trees are, the tools available, and how to write custom ESLint rules, Babel plugins and Codemods with ASTs. This course is for experienced JavaScript developers who want to gain a deep understanding of Abstract Syntax Trees to solve frustrating problems with their codebase and improve their development experience writing JavaScript applications. This course and others like it are available as part of our Frontend Masters video subscription. Published: July 11, 2017	Kent C. Dodds	Professional Trainer
Linux Command Line	https://frontendmasters.com/courses/linux-command-line/	Command-line skills are essential for modern developers. Linux has become the backbone of modern computing, and most developers today rely on tools built on the command-line, no matter if you're on Mac, Windows, or Linux! In this course, you will learn powerful commands, use Ubuntu, quit VIM, handle package management, and write your own shell scripts. This course and others like it are available as part of our Frontend Masters video subscription. Published: August 17, 2020	Brian Holt	Microsoft
Meteor	https://frontendmasters.com/courses/meteor/	Built by a team of MIT engineers, Meteor is a full stack open source framework for building web and mobile apps in pure JavaScript. Learn how you can use just one framework to build an entire real-time reactive web application. Learn about all the components that make up the Meteor stack and gain a deep understanding of what's happening behind the scenes in order to use this new framework effectively for complex applications. This course and others like it are available as part of our Frontend Masters video subscription. Published: November 10, 2015	Chris Mather	Lively, Inc.
Modern Seo	https://frontendmasters.com/courses/modern-seo/	Extend your application's reach with a thorough understanding of modern search engine optimization (SEO). Empower search engines to index and represent your content in the best way possible! Mike North gives you all the tips and techniques you need for your site to be easily found on Google, and teach you how to take advantage of advanced features on Facebook, and Twitter to boost user engagement. This course and others like it are available as part of our Frontend Masters video subscription. Published: June 15, 2017	Mike North	LinkedIn
Modern Web Apps	https://frontendmasters.com/courses/modern-web-apps/	Everything you need to build and deploy a maintainable single page app. This course covers a broad range of topics as we build an app from scratch using React, Ampersand, ES6 (ES2015), and Webpack. Henrik also covers lots of extra little goodies like hot-loading and auto-prefixing your styles without the need for browser extensions, securely implementing OAuth using Github's API in the client, deploying a microservice, deploying your front-end app as static files, and pre-rendering your app at build-time for incredible performance. This course and others like it are available as part of our Frontend Masters video subscription. Published: December 1, 2015	Henrik Joreteg	Ampersand.js
Mongodb	https://frontendmasters.com/	MongoDB is the leading open source NoSQL database. In this course you'll build schemas, structure models and learn to query MongoDB to get the right data. Learn the core concepts to build production-ready applications with MongoDB! This course and	Scott Moss	Tipe

Name	Link	Description	Instructor	Company
	courses/mongodb/	others like it are available as part of our Frontend Masters video subscription.Published: December 5, 2018		
Motion Design Css	https://frontendmasters.com/courses/motion-design-css/	Web browsers have the ability to display stunning CSS animations and transitions. Learn how you can use CSS Animations and Transitions to enhance your web applications with powerful, information-rich motion and color. CSS is one of the most performant ways to animate today and this course gives developers the future-facing tools they need to do just that. Rich with fun example code, demonstrations, and lectures, there's a great mix here for people of all learning styles. Master the tools you need to set your ideas in motion on the web!This course and others like it are available as part of our Frontend Masters video subscription.Published: September 15, 2016	Rachel Nabors	Rachel Nabors, LLC
Networking Streams	https://frontendmasters.com/courses/networking-streams/	You'll be introduced to the fundamentals of the built-in stream Node.js module, and learn how to code streams using backpressure to combine multiple data sources and sinks for better data processing. Learn how to use curl and netcat, different stream types - readable, writable, transform, duplex - plus write code for TCP, HTTP, and Websocket servers and clients using Node.js. Finally, learn how to build multiplex streams! This course is ideal for moderately experienced engineers who want to learn how to leverage networking fundamentals and protocols to master the art of building streams in Node.js.This course and others like it are available as part of our Frontend Masters video subscription.Published: September 13, 2017	James Halliday	Substack
Node Js	https://frontendmasters.com/courses/node-js/	Node.js can be used for build tools, desktop apps, mobile apps, databases, and more. Learn the foundations of Node.js so you can go forward and create fantastic JavaScript apps outside the browser!This course and others like it are available as part of our Frontend Masters video subscription.Published: November 28, 2018	Scott Moss	Tipe
Nodebots	https://frontendmasters.com/courses/nodebots/	In this course, Steve Kinney demonstrates how to use JavaScript to control hardware and IoT projects. Learn the fundamentals of electronics and how to work with microcontrollers. Using the Johnny-Five library for Node.js, you will be able to make hardware interact with Web APIs, make LEDs light up from a web page, pull data in from third-party APIs, and read data from the world! (Johnny-Five Inventor's Hardware Kit is required)This course and others like it are available as part of our Frontend Masters video subscription.Published: August 24, 2018	Steve Kinney	Twilio SendGrid
Object Oriented Js	https://frontendmasters.com/courses/object-oriented-js/	Learn the fundamentals of Object Oriented Programming in JavaScript for organizing and scaling your code. You'll learn JavaScript's prototypal design and how it works to enable the new ES6 classes under the hood. Understanding prototypes and classes in JavaScript is crucial for working with most modern frameworks and for those coming from traditional OOP languages.This course and others like it are available as part of our Frontend Masters video subscription.Published: October 22, 2018	Will Sentence	Codesmith
Open Source	https://frontendmasters.com/courses/open-source/	"Participating in open source has been one of the most rewarding experiences of my career." ~Kent C. Dodds. Setup new projects on GitHub, configure npm to publish the project to the npm registry, transpile the source with babel, add unit tests / code coverage and continuous integration (with Travis CI). Run tests automatically and report coverage stats to codecov.io. Automate releases with semantic-release and distribute a browser build with webpack, plus manage the community all in this course on publishing an open source library!This course and others like it are available as part of our Frontend Masters video subscription.Published: December 7, 2016	Kent C. Dodds	Professional Trainer
Organizing Javascript	https://frontendmasters.com/courses/organizing-javascript/	No amount of learning the theory of JavaScript will substitute for actually practicing the implementation of it. Even before you adopt a framework, learning how to organize the different bits of JavaScript (modularizing, decoupling, etc) will make a huge positive impact on the quality of your code. Once you've mastered those techniques, turn your attention to building code that you can share between the client (browser) and the server (Node). That's where the most exciting exercises of your new-found JS knowledge will shine!This course and others like it are available as part of our Frontend Masters video subscription.Published: August 20, 2015	Kyle Simpson	You Don't Know JS
Performance Webpack	https://frontendmasters.com/courses/performance-webpack/	Learn to solve the most common website performance issues with Sean Larkin, core maintainer of Webpack 4! You'll learn to build instant-loading websites by lazy loading your JavaScript with code splitting, removing unused code with tree shaking, and prefetching assets with magic comments. Webpack was created specifically for web performance and this course Sean will teach you how to use all of it's powerful performance optimization features!This course and others like it are available as part of our Frontend Masters video subscription.Published: July 1, 2018	Sean Larkin	Microsoft
Practical Algorithms	https://frontendmasters.com/courses/practical-algorithms/	Bored by the academic approach of most data structures and algorithms courses? This is for you! You'll learn to solve algorithms and analyze space and time complexity in both an interview setting and in your day-to-day development. Following along with the course, you'll practice algorithms with common interview questions using a handful of algorithm techniques. Take a practical look at recursion and learn to optimize your solutions using divide-and-conquer. Implement merge sort and	Bianca Gandolfo	Thumbtack

Name	Link	Description	Instructor	Company
		quicksort and understand tradeoffs of both approaches. Plus, get started with dynamic programming and memoization!This course and others like it are available as part of our Frontend Masters video subscription.Published: June 5, 2018		
Practical Machine Learning	https://frontendmasters.com/courses/practical-machine-learning/	Understand the evolution of machine learning, deep learning, and now artificial intelligence (AI). In this course, you'll follow a series of practical examples of training machine learning models to come up with accurate predictions. You'll use TensorFlow to create the models and Keras, a high-level Python API for building and training deep learning models on top of TensorFlow. Examples in this course include: identifying animal breeds in photos, analyzing blocks of text to determine which renowned author wrote it, and stylizing images trained by famous painters!This course and others like it are available as part of our Frontend Masters video subscription.Published: March 3, 2020	Vadim Karpusenko	Microsoft
Production Node Aws	https://frontendmasters.com/courses/production-node-aws/	Equip yourself with the knowledge to build, test, deploy, and scale Node.js web applications in production on Amazon Web Services.This course and others like it are available as part of our Frontend Masters video subscription.Published: December 28, 2016	Kevin Whinnery	Twilio Node Module
Programming Language	https://frontendmasters.com/courses/programming-language/	Learn the essential parts of programming language design! Through creating a new programming language, you'll learn how to break down a program into its necessary elements&colon first into tokens through lexical analysis, and then into a traversable abstract syntax tree composed of those tokens. You'll also write an interpreter, and learn how to transpile your language to JavaScript to make it runnable.This course and others like it are available as part of our Frontend Masters video subscription.Published: October 8, 2019	Steve Kinney	Twilio SendGrid
Progressive Web Apps	https://frontendmasters.com/courses/progressive-web-apps/	Learn how to audit a web application for "Progressive Web Fitness", go offline with service workers, make your web app load instantly with the App-Shell architecture, enable push notifications and more. Convert your site into a progressive web application that's just like a native smart device app, but without the excessive file size or the lengthy install process!This course and others like it are available as part of our Frontend Masters video subscription.Published: November 9, 2017	Mike North	LinkedIn
Pure React State	https://frontendmasters.com/courses/pure-react-state/	As your applications grow, the root of performance and maintainability problems often stems from how you structure and manage state. In this course, we'll look at the core APIs in React to handle state, including both in the traditional component state, as well as in React hooks. You'll move onto creating custom hooks, use reducers, and then learn ways to do more complicated state management techniques such as using the Context API.This course and others like it are available as part of our Frontend Masters video subscription.Published: February 14, 2020	Steve Kinney	Twilio SendGrid
Python	https://frontendmasters.com/courses/python/	Get started with Python in a practical, hands-on way! Learn types in Python like basic data types, tuples, and dictionaries. Understand control flow in Python programs with loops, boolean statements, if statements, and return statements. Then you'll make concise, reusable functions, learn how to work with files on your filesystem, and write programs that interact with APIs! This course and others like it are available as part of our Frontend Masters video subscription.Published: April 15, 2019	Nina Zakharenko	Microsoft
React	https://frontendmasters.com/courses/react/	Learn how to build real world applications with React! Much more than an intro, you'll not only learn React, you'll also learn how to work with a proven set of powerful tools in the React ecosystem to build scalable, real-world applications. Learn to piece together a proven set of tools, adding each tool as you need them, including React Router v4 for paging, Jest for testing, Redux for state management, ESLint and Flow for code quality ...and much more!This course and others like it are available as part of our Frontend Masters video subscription.Published: June 26, 2017	Brian Holt	Microsoft
React Intro	https://frontendmasters.com/courses/react-intro/	This course has been updated. Check out the updated Complete Intro to React course! If you want to know the differences, check out check out v1 versus v2 here. In this course, Brian Holt (Netflix) introduces you to React, one of the leading JavaScript libraries for building user interfaces. You will also explore the React ecosystem as you learn how to use Redux for state management, React Router for navigation and more. This course is designed for intermediate and advanced JavaScript programmers looking for a well-rounded, complete introduction to React and complimentary tools and libraries to make you highly productive at building web applications in React.This course and others like it are available as part of our Frontend Masters video subscription.Published: August 9, 2016	Brian Holt	Microsoft
React Intro To Flux	https://frontendmasters.com/courses/react-intro-to-flux/	This course has been archived. We have a new React course: Complete Intro to React (feat. Redux & React Router). React is a JavaScript library for creating user interfaces by Facebook and Instagram. React.js creates its own virtual DOM where your components actually live. This virtual DOM approach gives enormous flexibility and amazing gains in performance because React.js calculates what changes need to be made in the DOM beforehand and updates the DOM tree accordingly. Discover JSX (and the ES6 features that come along with it), creating React custom components, integrating React with jQuery UI /	Ryan Florence	React Training

Name	Link	Description	Instructor	Company
		Bootstrap components and learn how to iterate React into an existing codebase in this course. This course and others like it are available as part of our Frontend Masters video subscription. Published: May 8, 2015		
React Native	https://frontendmasters.com/courses/react-native/	By coding along with Scott in this course, you'll be able to take the same skills you use on the web and use them to build cross-platform, native applications in JavaScript. You'll learn how to Android and iOS emulators, use React components to build native layouts, Dev Tools to debug your app, React Native package manager to add native gradients, buttons, tabs, and icons... plus you'll learn to build reusable components to share within your app and re-use in other apps and learn to use Redux to architect data flow and manage state. This course and others like it are available as part of our Frontend Masters video subscription. Published: October 27, 2016	Scott Moss	Tipe
React Native V2	https://frontendmasters.com/courses/react-native-v2/	Leverage your JavaScript and React skills for mobile iOS and Android platforms using React Native. Examples in this course allow you to get started quickly and see your changes immediately in React Native using Expo, or use pure React Native standalone if you prefer. You'll use native components for rendering lists, building forms, and styling them with CSS. Then you'll learn to navigate between screens and fetch data with React hooks. By then end of the course, you'll be able to ship your very own native mobile applications! This course and others like it are available as part of our Frontend Masters video subscription. Published: May 5, 2020	Kadi Kraman	Formidable
React State	https://frontendmasters.com/courses/react-state/	Explore popular libraries to manage state including Flux, Redux, MobX, Redux Sagas, and more. Learning these patterns will help you leverage the best techniques for managing state in your React applications! This course and others like it are available as part of our Frontend Masters video subscription. Published: December 4, 2017	Steve Kinney	Twilio SendGrid
Reactive Angular	https://frontendmasters.com/courses/reactive-angular/	Find out how observables are a cornerstone of reactive Angular 2 applications and learn how you can use observable streams as the foundation for reactive interfaces. Use the power of Observable with Reactive Extensions for JavaScript (RxJS) to control data as it flows through your application! This course and others like it are available as part of our Frontend Masters video subscription. Published: March 20, 2017	Lukas Ruebelke	BrieBug Software
Reactive Angular 2	https://frontendmasters.com/courses/reactive-angular-2/	Reactive programming has affected every major modern web framework and fundamentally changed how we approach web applications. Angular 2 has embraced this brave new world and in doing so, gave us a great platform for building out functional, reactive web applications right out of the box. Add in the Redux inspired library, @ngrx/store and combine that with the power of observables and you have yourself a serious programming arsenal. Learn how to build web applications with ngrx in the reactive paradigm in this course! This course and others like it are available as part of our Frontend Masters video subscription. Published: June 1, 2016	Lukas Ruebelke	BrieBug Software
Realtime HTML5 Nodejs	https://frontendmasters.com/courses/realtime-html5-nodejs/	Learn the HTML5 APIs you need to know for real-time communications such as canvas/video, sockets, getUserMedia, and WebRTC. Then dive into Node.js and learn all about how to use it from the ground up in the command line to communicating with HTML5 in real-time through asynchronous code in Node.js. This course and others like it are available as part of our Frontend Masters video subscription. Published: July 12, 2014	Kyle Simpson	You Don't Know JS
Redux Mobx	https://frontendmasters.com/courses/redux-mobx/	In this course, you'll learn best practices for structuring your data and how to keep your application fast and nimble as your codebase grows. You'll get your hands on multiple solutions for managing state in large React applications including Redux, Redux Thunk, Redux Observables and MobX. This course and others like it are available as part of our Frontend Masters video subscription. Published: July 23, 2019	Steve Kinney	Twilio SendGrid
Responsive Email	https://frontendmasters.com/courses/responsive-email/	Email is one of the most important tools for connecting with people on the web. But, most web designers ridicule HTML email as outdated, difficult, and not worth the trouble. Learn the importance of HTML email and prove that building beautiful, responsive email campaigns isn't as scary as you thought. This course and others like it are available as part of our Frontend Masters video subscription. Published: April 13, 2015	Justine Jordan	Litmus
Responsive Typography	https://frontendmasters.com/courses/responsive-typography/	Web fonts have been around for a few years now, as has Responsive Web Design. But there are still lots of questions about performance, usability and consistency across browsers and devices. This course explores the world of web fonts and responsive type, what web fonts are, how they work and why you should be using them. This course and others like it are available as part of our Frontend Masters video subscription. Published: November 17, 2014	Jason Pamental	Isovera
Responsive Typography V2	https://frontendmasters.com/courses/responsive-typography-v2/	In this course, Jason Pamental demonstrates type fundamentals to create better user experiences on mobile and desktop. Following along with the course, you'll learn how to implement web fonts and create a modern, scalable typographic system. Plus, Jason gives an overview of variable fonts, a type file standard developed to reduce page weight with smaller font sizes and achieve more flexible designs than ever before! This course and others like it are available as part of our Frontend Masters	Jason Pamental	Isovera

Name	Link	Description	Instructor	Company
		video subscription.Published: August 15, 2018		
Responsive Web Design	https://frontendmasters.com/courses/responsive-web-design/	From smart phones to tablets and even 60" HDTV sets, your site can be viewed everywhere on almost every device. But is your site built to respond for all the different size and display options? A pioneer in responsive web design, Ben Callahan, leads you through the process of what it means to build a web site in the 21st century. Ben tackles RWD process, prototyping and patterns down to specific coding tactics with media queries and responsive CSS.This course and others like it are available as part of our Frontend Masters video subscription.Published: April 30, 2013	Ben Callahan	Sparkbox
Rethinking Async Js	https://frontendmasters.com/courses/rethinking-async-js/	All JavaScript code has to manage asynchrony in some form or another. Effective async programming means knowing various different patterns and weaving them together to make not only workable but readable and understandable code. In this course, we start from the beginning, rebuilding and rethinking why we async, and how. We solve the same problem over and over, each time with a different async pattern. By the end, we've seen and practices all the major async patterns, so we have a more concrete sense of the pros/cons.This course and others like it are available as part of our Frontend Masters video subscription.Published: March 29, 2016	Kyle Simpson	You Don't Know JS
Sass	https://frontendmasters.com/courses/sass/	Leverage the Sass preprocessing to empower your CSS practices and master styling complex applications. Mike will show you how styles can be modularized and reused -- avoiding repetition and redundancy, while keeping everything readable and maintainable.This course and others like it are available as part of our Frontend Masters video subscription.Published: May 25, 2017	Mike North	LinkedIn
Secure Auth Jwt	https://frontendmasters.com/courses/secure-auth-jwt/	Non-trivial web applications require some form of user authentication. When it comes to implementing authentication in modern single page apps, things can get a bit tricky, and the traditional methods of session and cookie-based auth tend to get in the way. The JSON Web Token spec offers a much better way of handling authentication in a SPA and comes with many benefits.This course and others like it are available as part of our Frontend Masters video subscription.Published: March 23, 2017	Ryan Chenkie	Auth0
Server GraphQL Nodejs	https://frontendmasters.com/courses/server-graphql-nodejs/	Learn everything you need to create a GraphQL API on the server in Node.js with Apollo Server. You'll start with a schema that includes type definitions, queries, and mutations. Then, build the resolvers needed to get the values for the API. Finally, move onto advanced features like interfaces and unions, all the way down to how relationships work in resolvers.This course and others like it are available as part of our Frontend Masters video subscription.Published: November 25, 2019	Scott Moss	Tipe
Serverless Aws	https://frontendmasters.com/courses/serverless-aws/	Learn to use AWS Lambda in production using the serverless framework. Get started with AWS Lambda functions and then learn to test, debug and deploy then to build a real API powered by lambda functions.This course and others like it are available as part of our Frontend Masters video subscription.Published: May 24, 2018	Scott Moss	Tipe
Servers Node Js	https://frontendmasters.com/courses/servers-node-js/	In this course you'll go under the hood of Node.js in two contrasting ways - by understanding how to develop servers from intuitive first-principles (HTTP, TCP/IP, Ports, Loopback, SSH) and by understanding the JavaScript features that make up Node (the event loop, streams, buffers, asynchronicity, prototypes). Taking these two approaches together you will develop a deeper understanding of servers, Node, and JavaScript itself!This course and others like it are available as part of our Frontend Masters video subscription.Published: May 24, 2019	Will Sentance	Codesmith
Service Workers	https://frontendmasters.com/courses/service-workers/	You've likely heard the term "Progressive Web Apps" (PWAs). Sure, it's a buzz word that's a bit overloaded, but it has some great motivations behind it. PWAs represent the dream of web apps getting all the same capabilities, and performance, of native apps. At the core of making this happen is the new Service Workers API. Service Workers give web apps new capabilities to be able to go beyond the browser tab and enable features like smart offline caching and PWA features like push notifications!This course and others like it are available as part of our Frontend Masters video subscription.Published: July 16, 2019	Kyle Simpson	You Don't Know JS
Smacss	https://frontendmasters.com/courses/smacss/	CSS architecture expert Jonathan Snook shares his experience building large sites with large teams to make your CSS more maintainable using his Scalable Modular Architecture for CSS (SMACSS) methodology. Learn categorization and naming convention—things that might seem simple at first but can actually be quite difficult. Then go deeper with a number of concepts and examples that help demonstrate when to create class rules instead of element rules, how to limit depth of applicability, and how to manage visual states.This course and others like it are available as part of our Frontend Masters video subscription.Published: February 18, 2015	Jonathan Snook	Snook.ca Web Development, Inc.
Sql Fundamentals	https://frontendmasters.com/courses/sql-fundamentals/	Learn SQL, the most popular language for storing, querying and analyzing the data that powers today's applications! In this course, you'll learn to retrieve data with SELECT, use JOIN to tie tables together, create and update data, and use efficient queries to get the data fast. This SQL course is for professional developers who want to understand for persisting data in a	Mike North	LinkedIn

Name	Link	Description	Instructor	Company
		server-side application with a relational database.This course and others like it are available as part of our Frontend Masters video subscription.Published: April 9, 2018		
Svelte	https://frontendmasters.com/courses/svelte/	Svelte is a component framework you can use to build high-performance web applications. This course is the definitive introduction to the Svelte framework. You'll learn how Svelte works, write svelte components, and take a tour through the entire Svelte API. You'll set up a project in your local development environment and then use that knowledge to build a complete game that scores 100s across the Lighthouse performance audit board!This course and others like it are available as part of our Frontend Masters video subscription.Published: July 15, 2020	Rich Harris	New York Times
Svg Animation	https://frontendmasters.com/courses/svg-animation/	SVGs are resolution-independent, scalable for responsive, and easy to navigate with their navigable DOM. Learn how to use this powerful graphic format as well as how to make complex animations for a myriad of use cases across the web.This course and others like it are available as part of our Frontend Masters video subscription.Published: February 19, 2016	Sarah Drasner	Netlify
Svg Essentials Animation	https://frontendmasters.com/courses/svg-essentials-animation/	Learn to build and optimize SVG – the scalable graphics format for the web that can achieve impressively small filesizes for fast-loading websites. In this course, you'll learn to create immersive graphics and make them alive with animations!This course and others like it are available as part of our Frontend Masters video subscription.Published: January 14, 2019	Sarah Drasner	Netlify
Testing Javascript	https://frontendmasters.com/courses/testing-javascript/	Create automated testing so you can be sure you're maintaining the highest quality JavaScript applications possible! Kent C. Dodds shows you how to bulletproof your production applications with approaches that work in all JavaScript and Node environments, as well as showcasing how you can test React, Redux, and Node express applications.This course and others like it are available as part of our Frontend Masters video subscription.Published: June 20, 2017	Kent C. Dodds	Professional Trainer
Testing Modular Front End	https://frontendmasters.com/courses/testing-modular-front-end/	Learn how to write unit tests and development code for NodeJS and the browser. Using simple tools connected for easy configuration and updating, without the need for frameworks, James demonstrates how to create effective modern web applications with ease. This workshop is for people who want to know how to start testing and how to quickly whip up modern web apps without having to wade through a bunch of boilerplate or configuration.This course and others like it are available as part of our Frontend Masters video subscription.Published: September 13, 2017	James Halliday	Substack
Testing Practices Principles	https://frontendmasters.com/courses/testing-practices-principles/	Learn the principles and best practices for writing maintainable test applications to catch errors before your product reaches the end user! Follow along with Kent C. Dodds and learn the fundamentals behind tests and testing frameworks, the distinctions of different forms of testing and when to use them appropriately to ensure your tests give you the confidence you need. You will also learn to write unit and integration tests with the popular Jest testing framework, mock dependencies, and use test-driven development to write new features and help find bugs!This course and others like it are available as part of our Frontend Masters video subscription.Published: August 23, 2018	Kent C. Dodds	Professional Trainer
Testing React	https://frontendmasters.com/courses/testing-react/	Learn to catch errors before they reach the end user with automated tests! Write maintainable tests for your React applications using the popular Jest testing framework. You'll also see how much of your code is covered in tests, test your React components with the react-testing library and write end-to-end tests with Cypress and the cypress-testing library. Join Kent and learn how to test your code in-depth. This course is for developers who want to gain confidence in shipping bug-free React applications to production!This course and others like it are available as part of our Frontend Masters video subscription.Published: May 13, 2018	Kent C. Dodds	Professional Trainer
Trees And Graphs	https://frontendmasters.com/courses/trees-and-graphs/	Learn the implementation details of tree and graph data structures, interview questions involving them, and the algorithms to solve them. This course builds on Bianca's Practical Algorithms and Data Structures for Interviews courses. Unlike arrays, trees and graphs are non-linear. This allows for modeling things such as recommendation algorithms and social networks.This course and others like it are available as part of our Frontend Masters video subscription.Published: May 20, 2019	Bianca Gandolfo	Thumbtack
Typescript	https://frontendmasters.com/courses/typescript/	Adding strong typing to large JavaScript apps with TypeScript helps reduce bugs, and keep you on a performant and maintainable code path. Learn Typescript features such as abstract classes, interfaces, enums and more – these features increase your ability to fix errors fast, and work alongside modern frameworks like React, Ember.js and Angular 2. Learn how to integrate TypeScript into your project and improve productivity building large scale, enterprise applications with ease!This course and others like it are available as part of our Frontend Masters video subscription.Published: February 6, 2018	Mike North	LinkedIn
Typescript V2	https://frontendmasters.com/courses/typescript-v2/	Use TypeScript to add strong typing to large JavaScript apps helps reduce bugs, and keeps code performant and maintainable. Learn key Typescript features such as typing variables and function signatures, abstract classes, interfaces, enums and more – these features increase your ability to fix errors fast. Learn how to migrate your codebase to TypeScript the smart way, and	Mike North	LinkedIn

Name	Link	Description	Instructor	Company
		improve productivity while building large-scale TypeScript applications with ease!This course and others like it are available as part of our Frontend Masters video subscription.Published: March 26, 2019		
Ui Prototyping Framer	https://frontendmasters.com/courses/ui-prototyping-framer/	Prototyping is a first-class member of the modern digital product design and development toolkit. Framer is a prototyping tool that lets you turn static mockups into interactive prototypes and to experiment quickly with dynamic, native-feeling animations and interactions. It integrates seamlessly with design tools, exports smoothly to mobile devices, and is powered by the language of the modern web, Javascript. Use Framer Studio to design and build responsive interactions, explore advanced animation techniques, and build data-driven UI prototypes together. You'll leave empowered to not just design the look or create the functionality of the products you build, but also to control the user experience and feel.This course and others like it are available as part of our Frontend Masters video subscription.Published: July 8, 2015	Jay Stakelon	Facebook
Unit Testing Javascript	https://frontendmasters.com/courses/unit-testing-javascript/	We are writing increasingly complex applications in JavaScript both in the Browser and the server-side using Node.JS. With this increased complexity comes a need to understand the nuances of testing. This course covers how to write testable code, types of tests, testing strategies, tactics and tips that will increase your ability to test JavaScript on the client and the server (Node.js). The unit tests are written in CoffeeScript, but the testing strategies you'll learn will be useful in pure JavaScript as well.This course and others like it are available as part of our Frontend Masters video subscription.Published: October 16, 2015	Justin Searls	Test Double
Visual Studio Code	https://frontendmasters.com/courses/visual-studio-code/	Visual Studio Code is a modern, lightweight and full-featured code editor, built from the ground up to suit the needs of web developers - JavaScript developers in particular. In this course, we'll dive deep into using, customizing and extending it.This course and others like it are available as part of our Frontend Masters video subscription.Published: December 21, 2017	Mike North	LinkedIn
Vue	https://frontendmasters.com/courses/vue/	Get started quickly with the Vue.js JavaScript framework! Learn how to build custom, reusable components and animate them. Use props, slots, and scoped styles to create flexible components. Plus learn advanced features like filters and mixins for transforming data. Get a single page application up and running fast with the Vue-CLI and learn how to work with Vuex to manage the state of larger-scale applications. This course is for developers with an intermediate knowledge of JavaScript who want to learn how to build and maintain complex applications quickly and efficiently.This course and others like it are available as part of our Frontend Masters video subscription.Published: September 14, 2017	Sarah Drasner	Netlify
Vuex	https://frontendmasters.com/courses/vuex/	Vuex is a state management library for managing state in large Vue.js applications. It serves as a centralized store for all the components in an application. Learn how to integrate Vuex and learn patterns to make managing state across your code more maintainable. In this course, you'll learn to move your application state into Vuex and build a full-scale application that utilizes Vuex to its full capacity with modules and plugins!This course and others like it are available as part of our Frontend Masters video subscription.Published: August 5, 2020	Divya Tagtachian	Netlify
Web Accessibility	https://frontendmasters.com/courses/web-accessibility/	Learn how to make your website applications accessible to a larger audience. Use keyboard shortcuts and navigation to help both power-users and those with disabilities. Make sure your website works well with screen readers and explore using ARIA to make even the most complex UI's fully accessible!This course and others like it are available as part of our Frontend Masters video subscription.Published: February 13, 2017	Jon Kuperman	Adobe
Web Apps Angular 2	https://frontendmasters.com/courses/web-apps-angular-2/	Get a high-level overview of the major pieces of Angular 2 and learn how they fit together to create a powerful framework for building out applications. Learn the differences between Angular 1 vs Angular 2. Use the Angular CLI to get started quickly. And compose large Angular 2 applications using services, routes, and subcomponents. Plus, harness the awesome power of observables in your applications.This course and others like it are available as part of our Frontend Masters video subscription.Published: March 15, 2017	Lukas Ruebbelke	BrieBug Software
Web Development	https://frontendmasters.com/courses/web-development/	This is a deep and comprehensive, "Get Started" course to give you the skills you need to be a professional web developer. Go from no prior coding knowledge to crafting your own websites using HTML, CSS, JavaScript, and node.js. Taught by Nina Zakharenko and Brian Holt, developers at Reddit!This course and others like it are available as part of our Frontend Masters video subscription.Published: October 16, 2014	Nina Zakharenko	Microsoft
Web Development V2	https://frontendmasters.com/courses/web-development-v2/	More than an introduction, in this course you'll go from building your first website to having the foundation for becoming a professional web developer with modern skills! By coding along in this course, you'll get experience writing HTML, the primary language for putting content on a page. CSS, a language designed to make your websites look tidy and aesthetically pleasing. And learn how to program, starting with a wonderful language to learn with, JavaScript. After this whirlwind tour of web development, you'll know how to write code with HTML, CSS & JavaScript. You'll learn to use your terminal to save your code with Git and as a small bonus primer, you'll get a taste of how to use JavaScript via Node.js to serve your website from a server!	Brian Holt	Microsoft

Name	Link	Description	Instructor	Company
		This course and others like it are available as part of our Frontend Masters video subscription.Published: June 12, 2018		
Web Performance	https://frontendmasters.com/courses/web-performance/	Learn techniques to write efficient JavaScript, optimize render performance, load assets faster using a CDN and split resource loading with Webpack. You'll learn how to diagnose and fix common performance problems to make your web apps more performant!This course and others like it are available as part of our Frontend Masters video subscription.Published: April 5, 2018	Steve Kinney	Twilio SendGrid
Web Security	https://frontendmasters.com/courses/web-security/	Websites are hacked every day at an alarmingly increasing rate. In this course Mike North shows you many kinds of threats developers are up against. You'll stage your own mock attacks and get practice securing and defending against attacks. You'll learn to test security like an attacker and defend against XSS attacks, man-in-the-middle attacks, 3rd party asset injection attacks and more!This course and others like it are available as part of our Frontend Masters video subscription.Published: December 19, 2017	Mike North	LinkedIn
Web Ui Architecture	https://frontendmasters.com/courses/web-ui-architecture/	Garann walks through considerations you need to make when building an architecture for your web application. She covers JavaScript architecture and lots of tools you can use to improve your client-side stack.This course and others like it are available as part of our Frontend Masters video subscription.Published: July 3, 2013	Garann Means	Brandwatch
Webgl Shaders	https://frontendmasters.com/courses/webgl-shaders/	Go deeper into creative coding and 3D graphics programming using WebGL, ThreeJS, and GLSL. In this course, you'll learn 3D vectors and shader effects. The skills you'll learn apply to many fields, including AR/VR, game development, interactive installations, media art, and more.This course and others like it are available as part of our Frontend Masters video subscription.Published: April 21, 2020	Matt DesLauriers	Freelancer
Webpack	https://frontendmasters.com/courses/webpack/	Building and deploying complex front-end applications can get complicated quickly. Webpack simplifies this with a huge list of features that cater to all kinds of JavaScript apps. In this class, we'll explore these features to optimize an application for performance and simplicity.This course and others like it are available as part of our Frontend Masters video subscription.Published: November 10, 2016	Kent C. Dodds	Professional Trainer
Webpack Fundamentals	https://frontendmasters.com/courses/webpack-fundamentals/	Learn the core concepts of Webpack 4 with Sean Larkin – maintainer of Webpack. You'll start entirely from scratch by adding webpack with npm and separate your dev and production environments. Then you'll learn to lazy load your JavaScript through code splitting, remove code you don't need through tree shaking, and control your entire build pipeline with popular loaders and plugins from the Webpack ecosystem. Be confident in building and shipping your code with Webpack – the open source bundler responsible for powering some of the most popular and high-performance web applications!This course and others like it are available as part of our Frontend Masters video subscription.Published: June 29, 2018	Sean Larkin	Microsoft
Webpack Plugins	https://frontendmasters.com/courses/webpack-plugins/	Dive into the Webpack 4 Plugin System and take a tour through the Webpack source code with Sean Larkin – core maintainer of Webpack 4. You'll get an overview of the tappable instances for building Webpack Plugins: Compiler, Compilation, Resolver, Module Factories, Parser & Templates. Then create a custom plugin, isolate plugin behavior and learn to create your own webpack plugins.This course and others like it are available as part of our Frontend Masters video subscription.Published: July 2, 2018	Sean Larkin	Microsoft
Website Performance	https://frontendmasters.com/courses/website-performance/	With the rise of mobile networks and devices, website performance is now absolutely critical to building good websites and web applications. Kyle dives deep into everything web performance from resource loading, to thread, animations, JSON, minification, image optimization and more!This course and others like it are available as part of our Frontend Masters video subscription.Published: March 29, 2013	Kyle Simpson	You Don't Know JS
Workflows And Tooling	https://frontendmasters.com/courses/workflows-and-tooling/	This course has been replace by our Webpack course. We recommend you check that out instead! Transform a static app with basic script includes and no tooling into a first class citizen using many different tools and techniques with Grunt.js and beyond (Yeoman, Lineman and more). This course covers adding an intermediary build process so that you can use CSS preprocessors, live reload, concat and minifying resources, coffeescript while splitting asset pipeline settings for local development vs production. You'll also learn about getting up and running with new projects using Yeoman or Lineman to get up and running quickly building single page apps and unit testing your project.This course and others like it are available as part of our Frontend Masters video subscription.Published: March 6, 2014	David Mosher	Test Double
Xstate	https://frontendmasters.com/courses/xstate/	By modeling the state in your application with state machines and statecharts, you will spend less time debugging edge cases and more time modeling complex application logic in a visually clear and robust way. In this course, you'll learn the fundamentals of state machines and statecharts, from building your own without any libraries in pure JavaScript, up to using	David Khourshid	Microsoft

Name	Link	Description	Instructor	Company
		XState to take advantage of a wide variety of other features.This course and others like it are available as part of our Frontend Masters video subscription.Published: June 15, 2020		