Bulletproof-Front-End-Resource-List

> All the resources you will need to learn and become a professional Front-End Developer!

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(No affiliate links)

>> Developer Environment <<

TEXT-EDITOR (IDE)

- **Visual Studio Code**: Most popular code editor. Free. Built on open source. Runs everywhere.

~VSCode Extentions

- **LiveServer**: Launch a development local Server with live reload feature for static & dynamic pages.

- **Prettier**: Opinionated code formatter. It enforces a consistent style by parsing your code and re-printing it with its own rules that take the maximum line length into account, wrapping code when necessary.

- **Live Share**: Collaboratively edit and debug with others in real time, regardless what programming languages you're using or app types you're building.

- **VSCode Icons**: Bring icons to your Visual Studio Code.

- **Auto Rename Tag**: Automatically rename paired HTML/XML tag, same as Visual Studio IDE does.

- **Better Comments**: Help you create more human-friendly comments in your code.

- **Bracket Pair Colorizer**: Customizable extension for colorizing matching brackets.

- **JavaScript ES6 Snippets**: Code snippets for JavaScript in ES6 syntax.

- **GitLens**: Supercharge the Git capabilities built into Visual Studio Code — Visualize code authorship at a glance via Git blame annotations and code lens, seamlessly navigate and explore Git repositories, gain valuable insights via powerful comparison commands, and so much more.

- **Path Intellisense**: Visual Studio Code plugin that autocompletes filenames.

VERSION CONTROL

~Tools

- **Git**: Free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

- **GitHub**: Where the world builds software.

- **GitHub Desktop**: GitHub Desktop simplifies your development workflow.

- **README Generator**: The easiest way to create a README.

~Learning

- **Learn Git Branching**: The most visual and interactive way to learn Git on the web.

BROWSER

- **Google Chrome**: The browser built by Google.

~Google Chrome Extensions

- **Wappalyzer**: Technology profiler that shows you what websites are built with.

- **CSS Peeper**: Extract CSS and build beautiful styleguides.

- **JSON Viewer Pro**: Visualise JSON response in awesome Tree and Chart views.

- **Octotree**: Enhances GitHub code review and exploration.

- **Web Maker**: Offline playground for your web experiments.

- **Go Full Page**: Simplest way to take a full page screenshot of your current browser window.

- **ColorPicker Eyedropper**: Zoomed eyedropper & color chooser tool that allows you to select color values from webpages and more.

- **Web Developer Checklist**: Analyses any web page for violations of best practices.

DEPLOYMENT

- **Netlify**: Build, deploy, & scale modern web projects.

- **Vecel**: Combines the best developer experience with an obsessive focus on end-user performance.

>> Languages <<

HTML

~Tools

- **What the tag?!**: Quickly find out which HTML tag to use when.

- **HTML Table Generator**: Use this HTML Table Generator to create tables on the fly.

- **Browser Default Styles**: Search elements, filter engines, find browser default styles.

- **Lori Ipsum**: The "lorem ipsum" generator that doesn't suck.

~Information

- **HTML Best Practices**: For writing maintainable and scalable HTML documents.

- **Idiomatic HTML**: Principles of writing consistent, idiomatic HTML.

- **7 useful HTML attributes you may not know**: List of HTML attributes that many beginners don't know, but that can be helpful.

CSS

~Preprocessors

- **Sass**: CSS with superpowers.

- **PostCSS**: Transforming styles with JS plugins.

~Generators

- **Box-Shadow Generator**: Create customized CSS box-shadows.

- **Gradient Generator**: Happy little website and free tool that lets you create a gradient background for websites.

- **Neumorphism Generator**: Generate Soft-UI CSS code.

~Frameworks

- **TailwindCSS**: Rapidly build modern websites without ever leaving your HTML.

- **Bootstrap**: Build fast, responsive sites with Bootstrap.

- **Materialize**: Modern responsive front-end framework based on Material Design.

~Animations

- **Animista**: CSS Animations on demand.

- **Animate.css**: Just-add-water CSS animations.

~Games

- **Flexbox Froggy**: Game where you help Froggy and friends by writing CSS code!

- **CSS Grid Garden**: Write CSS code to grow your carrot garden!

~Information

- **Well Documented CSS Project**: Experience and expectations the author has towards their vision of well-documented stylesheets.

- **Complete Guide to Grid**: Comprehensive guide to CSS grid, focusing on all the settings both for the grid parent container and the grid child elements.

- **Relearn CSS Layouts**: Teach you how to better harness the built-in algorithms that power browsers and CSS.

- **CSS Guides**: Curated guides on major topics covered by Smashing articles, conference talks and others.

- **10 modern layouts in 1 line of CSS**: Highlights a few key terms and how much detail can be described in a single line of code.

JAVASCRIPT

~API's

- **Rapid API**: Great place to start exploring APIs that are free to test, specifically updated for 2021.

- **Programmable Web**: Largest API Directory on the Web.

- **JSON Placeholder**: Free fake API for testing and prototyping.

- **Postman**: API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration so you can create better APIs—faster.

~Regular Expressions

- **RegExr**: Online tool to learn, build, & test Regular Expressions (RegEx / RegExp).

- **RegEx Crossword**: Crossword puzzle game, where the crossword clues are defined using regular expressions.

~Compilers

- **Babel**: Compiler for writing next generation JavaScript.

~Alternatives

- **Typescript**: Strongly typed programming language that builds on JavaScript.

~Mental Models

- **Just JavaScript**: Explore the JavaScript Universe. Rebuild your mental model from the inside out.

~Games

- **JavaScript Robot**: Control a robot using JavaScript

~Information

- **JavaScript: The Good Parts**: Exposes the goodness in JavaScript, an outstanding dynamic programming language.

- **17 JavaScript One-Liners**: Part 1 of a series on life-saving JavaScript one-liners.

- **What the heck is the event loop anyway?**: With some handy visualisations, and fun hacks, let's get an intuitive understanding of what happens when JavaScript runs.

>> <u>Design</u> <<

DESIGN TOOLS

- **Figma**: Connects everyone in the design process so teams can deliver better products, faster.

- **Sketch**: Gives you all the tools you need for a truly collaborative design process.

WIREFRAMING

- **Whimsical**: Unified workspace for thinking and collaboration.

- **Flowkit**: User flows right inside your favorite design tool.

- **WireframeCC**: Create better wireframes with an app fine-tuned for wireframing.

COLORS

- **Coolors**: Generate and collect beautiful color palettes on the go.

- **Palettable**: Generate beautiful color palettes using the knowledge of millions of designers.

- **Happy Hues**: Color palette inspiration site that acts as a real world example as to how the colors could be used in your design projects.

- **Khroma**: Khroma uses AI to learn which colors you like and creates limitless palettes for you to discover, search, and save.

- **Color Hunt**: Color Palettes for Designers and Artists.

IMAGES

~Stock Photos

- **Unsplash**: The internet's source of freely-usable images. Powered by creators everywhere.

- **Pexels**: The best free stock photos, royalty free images & videos shared by creators.

- **Pixbay**: Stunning free images & royalty free stock.

- **Burst**: Download free, high-resolution images.

~*Image Placeholder*

- **Lorem Picsum**: Image placeholder service

~Image Altering

- **Image Compression**: TinyPNG uses smart lossy compression techniques to reduce the file size of your WEBP, JPEG and PNG files.

- **Remove BG**: Remove Image Background 100% Automatically and Free.

~*Illustrations*

- **humaaans**: Mix-&-match illustrations of people with a design library.

- **blush**: Easily create and customize stunning illustrations with collections made by artists across the globe. Try it, it's kind of fun.

- **unDraw**: Create better designed websites, products and applications. Browse to find the images that fit your messaging, automagically customise the color to match your brand and use it as a normal image, embedded code or directly in your design workflow.

- **Control.**: Combo set of 108 customizable illustrations.

TYPOGRAPHY

- **Google Fonts**: Making the web more beautiful, fast, and open through great typography & icons.

- **Typewolf**: What's Trending in Type.

- **BEfonts**: Free Fonts for Designers.

- **Fonts in the Wild**: View font used in real applications.

ICONS

- **Hero Icons**: MIT-licensed icons.

- **Bootstrap Icons**: Free, high quality, open source icon library with over 1,500 icons.

- **Noun Project**: Icons and Photos For Everything.

- **Font Awesome**: Get vector icons and social logos on your website with Font Awesome, the web's most popular icon set and toolkit.

- **Flat Icon**: Download free icons and stickers for your projects. Resources made by and for designers. PNG, SVG, EPS, PSD and BASE 64 formats.

- **Google Font Icons**: Material Icons are available in five styles and a range of downloadable sizes and densities. The icons are based on the core Material Design principles and metrics.

FAVICON

- **Favicon Generator**: Provides an easy way to convert any GIF, PNG or JPEG to ICO which is supported by all modern web browsers.

- **Maskable**: Generate maskable PWA icons before adding them to your web app manifest.

- **Real Favicon Generator**: Favicon Generator. For real.

- **Favicon Converter**: Quickly generate your favicon from an image by uploading your image below. Download your favicon in the most up to date formats.

THEORY

- **Laws of UX**: Collection of best practices that designers can consider when building user interfaces.

INSPIRATION

- **Awwwards**: The awards of design, creativity and innovation on the internet.

- **Dribbble**: Community where designers gain inspiration, community, and jobs and is your best resource to discover and connect with designers worldwide.

- **Panda**: The homepage for your favorite websites.

- **Codepen**: The best place to build, test, and discover front-end code.

- **Godly**: Astronomically good web design inspiration every single day.

- **Behance**: Leading online platform to showcase & discover creative work.

>> <u>Optimizations</u> <<

SEO

- **CheckBot**: Finds critical SEO, speed & security problems before your website visitors do.

- **Search Engine Optimization (SEO) Starter Guide**: Complete overview of the basics of SEO according to Google's best practices.

- **Ubersuggest**: How to win the game of SEO.

ACCESSIBILITY

- **Can I Use**: Provides up-to-date browser support tables for support of front-end web technologies on desktop and mobile web browsers.

- **A11y Project Checklist**: Strives to be a living example of how to create beautiful, accessible, and inclusive digital experiences.

- **Colorable**: Color combination contrast tester.

- **The Importance Of Manual Accessibility Testing**: Learn how to test your websites and web apps to ensure they're accessible.

- **A Complete Guide To Accessible Front-End Components**: Look into reliable accessible components: from tabs and tables to toggles and tooltips.

PERFORMANCE

- **Google Lighthouse**: Open-source, automated tool for improving the quality of web pages.

- **PageSpeed Insights**: Make your web pages fast on all devices.

TESTING

- **Intern.**: Write tests in JavaScript and TypeScript using any style you like (TDD, BDD, whatever!).

>> <u>Career</u> <<

- **Tech Interview Handbook**: Free curated interview preparation materials for busy engineers.

- **Getting a Gig**: Guide for getting a gig as a tech student.

RESUME

- **Front End Developer Resume Example & Guide**: 20+ tips on building your Front-End Developer resume.

- **Front End Developer Resume Examples & Guide for 2021**: Customize this resume with ease using our seamless online resume builder.

APPLICATIONS

- **Here are 4 best ways to apply for software engineer jobs**: Four ways to apply for jobs that are particularly effective.

- **8 steps to finding the perfect software engineering job**: Eight steps you can take to find and ride that rare unicorn down your chosen career path.

INTERVIEWS

~Behavioral

- **10 Behavioral Interview Questions for Software Engineers**: 10 common software engineer behavioral interview questions with sample answers for you to review.

- **45 software developer behavioral questions for non-technical interviews**: 45 behavioral interview question examples.

~Technical

- **AlgoExpert**: The ultimate resource to prepare for coding interviews. Everything you need, in one streamlined platform.

- **LeetCode**: Best platform to help you enhance your skills, expand your knowledge and prepare for technical interviews.

- **CodeWars**: Improve your development skills by training with your peers using coding challenges.

- **Front-end-Developer-Interview-Questions**: List of helpful front-end related questions you can use to interview potential candidates, test yourself or completely ignore.

- **Coding Interview University**: Complete computer science study plan to become a software engineer.

- **123 Essential JavaScript Questions**: 123 JavaScript interview Questions.

~Other

- **HashNode**: Everything you need to start blogging as a developer!