

GRIND REEL

FRONT END DEVELOPER ROADMAP



A GUIDE TO GETTING JOB READY

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START

A text editor is for writing/modifying text/code.

TEXT EDITOR/IDE

Choose one

- ➡ Visual Studio Code
- ➡ Visual Studio
- ➡ Sublime
- ➡ Webstorm

JAVASCRIPT

- ➡ ES6+
- ➡ Higher Order Functions
- ➡ Fetching Data From API's
- ➡ Web concepts such as Http/Https, SSL, DNS, REST, Cookies, local storage, etc.
- ➡ Fetching Data From API's

HTML

- ➡ Basic formatting (p, h1, h2, etc)
- ➡ Accessibility
- ➡ SEO
- ➡ User Experience

CSS

- ➡ Responsive Design
- ➡ User Interface
- ➡ Media Queries
- ➡ Flex Box
- ➡ CSS Grid

Package managers are used to import dependencies (external code written by you or someone else).

PACKAGE MANAGERS

Choose one

- ➡ Npm
- ➡ Yarn
- ➡ Bower
- ➡ JSPM

JAVASCRIPT LIBRARIES

- ➡ Lodash
- ➡ D3.js
- ➡ Three.js

Libraries are usually prewritten code to save the users time. For example Lodash is a big library with utility functions, that will make the programming process faster and cleaner.

Css Pre-Processors allow us to use more logic in our css workflow, it simplifies the code, and makes it a lot more modular.

CSS PREPROCESSORS

Choose one

- ➡ SASS
- ➡ LESS
- ➡ PostCSS
- ➡ Stylus



CSS FRAMEWORKS

Choose one

- Bootstrap
- Materialize
- Semantic UI
- Foundation

Css Frameworks are libraries with pre written html components that are already styled, and are easy to customize.

Version control allows you to manage changes over time. You can track revisions of your project's files and its contributors.

VERSION CONTROL

GIT

- Commit
- Push
- Merge
- Rebase

GITHUB

- ReadMe Documentation
- Fork a Repository
- Clone a Repository
- Team collaboration with version control

GitHub is a Git repository hosting service, there are some other options. Using Github is good for team collaboration, and open source code.

Git is used to manage a project, or a set of files, as they change over time.

CHOOSE A FRAMEWORK

REACT.JS

- Redux
- MobX

ANGULAR

- RxJS
- ngrx

VUE.JS

- Vuex

TESTING

Choose one depending on what you need

- Jest
- Mocha
- Chai
- Jasmine

Testing in general is to make sure your code runs as intended, and if not it will tell you where its going wrong. Front-end testing involves checking functionalities like buttons, forms, graphs, menus, etc.

Chrome DevTools is a set of web developer tools built directly into the Google Chrome browser.

CHROME DEV TOOLS

- Console
- Elements (Dom)
- Auditing
- Performance
- Debugging (breakpoints)



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WEB TECH FOR OTHER PLATFORMS

Using web technologies like react, you can make more than just websites, you could make mobile apps, and even desktop apps.

DESKTOP APPS

- Electron.js
- NW.js (node-webkit)
- Vuido (Vue.js)
- NeutralinoJS
- DeskGap

MOBILE APPS

- React native
- Cordova
- Flutter (Dart)
- Quasar (Vue.js)
- Phone Gap
- Ionic

WEB GAMES

- Phaser.io
- HTML5 (canvas)
- Websockets
- WebRTC

STATIC TYPING

- Typescript
- Flow

JavaScript is a dynamically typed language. Which can cause some issues, to solve that problem there are options to use static typing on the front-end.

APPLY TO JOBS

- Create a resume (via resume template on the grind reel store)
- Create a cover letter (via zero experience cover letter template on the grind reel store)
- Master the interview *Product and course coming soon*
- Build a portfolio. *Product and course coming soon*

LEARNING NEVER STOPS

- Keep practicing algorithmic thinking on sites like CodeWars, LeetCode, etc.
- Keep building projects and add them to your portfolio.
- Master the interview. *Product and course coming soon*

