THE BUILDING BLOCKS

Basic tools
OS: macOS
Text editor: VSCode
Web browser: firefox
Terminal: iterm
Design software: adobe xd; photoshop; sketch; figma;

HTML & CSS $
HTML5 Page structure and semantic tags
Basic CSS styling
Positioning
Alignment (flex box& css grid)
Transitions and animation
Responsive design / media queries

Sass $
CSS preprocessor that give you more functionality

CSS / UI Frameworks (choose one)
Tailwind CSS (new but strange)
Bootstrap (old but popular)

UI Design (not programming related)
color&contrast
White space
Scale
Visual hierarchy
Typography

JavaScript
extremely important frontend / full stack language
Basics: variables, arrays, functions, loops, etc
DOM & styling
Array methods
JSON
HTTP requests

Other tools
Version control: Git
Repo manager: GitHub
Package manager: NPM (good for javascript package management)
Module Bundler: Parcel
Browser Development tools (console, network tab, application tab, storage, etc.)
Editor extension & helpers (linting, prettier, liver server, emmet, snippets, etc)

Basic Frontend Deployment
Static hosting: netlify
Cpanel hosting: Inmotion

Deployment Methods:
Git
FTP/SFTP
SSH

Domain registering: namecheap
Email Hosting: namecheap
SSL Certificates: lets encrypt

At this point you do not know any frontend frameworks, but you do know the fundamentals
You Could start applying for jobs at this point

FRONTEND SUPERSTAR

Frontend Framework (choose one)
React
Vue
Angular
Svelte

State Management

React : redux, context, Mobx
Vue : Vuex
Angular : shared service, NGRX
Svelte : Context API

Typescript
* typescript is a superset of Javascript, often paired with a Frontend Framework *

Testing
Unit Test
Integration Test
End to End Testing

Serverside rendering
React: Next.js
Vue: Nuxt.js
Angular:Angular Universal
Svelte: sapper

Static Site Generators
Gatsby
Gridsome
11ty
Jekyll
Hugo

Headless CMS
Strapi
Sanity.io
Contentful
Prismic
Wordpress

The Jamstack (Javascript; Api; Markups)
web architecture with high performance, security, scalability, and low cost
Static sites/ assets
Markdown

Serverless
HeadlessCMS for content
Hosting with services like netlify

SHARPEN YOUR SKILLS

Algorithms

Data Structures
Primitive and non primitive
Popular DSs: Array, linked list, Queue, Stack, Tree, Graph, Hash Tables

Software Design Patterns
Singleton
Facade
Bridge/adapter
Strategy
Observer