

Web Development Bootcamp Starter Pack

In this document, we will try to cover the tools, extensions and links necessary to set up your environment in order to follow up with the web development training.

Code Editor (Visual Studio Code)

Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE. Here is a [link](#) to download it. Vscod can be customizable by installing different extensions.

Recommended Visual Studio Code Extensions to install

- **Live Server:** Launch a development local Server with live reload feature for static & dynamic pages
- **Prettier:** Code formatter using prettier
- **ESLint:** Integrates ESLint JavaScript into VS Code.
- **Tailwind CSS IntelliSense:** Intelligent Tailwind CSS tooling for VS Code
- **ES7+ React/Redux/React-Native snippets:** Extensions for React, React-Native and Redux in JS/TS with ES7+ syntax. Customizable.

Git

This is needed for the first training of Git & Github. Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency. Here is a [link](#) to download it

Github

We will also need to have a Github account to follow all along the bootcamp. GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere. You can check their website [here](#)

Nodejs

Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. We need to download it in order to get use of it and its different features especially when working on projects that require a Node Package Manager. Here is a [link](#) to download it

Node Package Manager

- NPM: npm is the package manager for the Node JavaScript platform. It puts modules in place so that node can find them, and manages dependency conflicts intelligently. It is extremely configurable to support a wide variety of use cases. Most commonly, it is used to publish, discover, install, and develop node programs. It comes installed by default after installing Nodejs. Here is a link to [NPM website](#) to check the available node packages
- There is another package manager called **Yarn**. But in our trainings we will be using NPM

React Dev Tools Chrome Extension

React Developer Tools is a Chrome DevTools extension for the open-source React JavaScript library. It allows you to inspect the React component hierarchies in the Chrome Developer Tools. Install it through this [link](#)

Postman

Postman is an API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration so you can create better and faster APIs. We will need it during the backend training. Here is a [link](#) to download it

MongoDB Atlas

We will need to create an account in mongoDB Atlas for the server side development training. MongoDB Atlas is a fully-managed cloud database that handles all the complexity of deploying, managing, and healing your deployments on the cloud service provider of your choice (AWS , Azure, and GCP). MongoDB Atlas is the best way to deploy, run, and scale MongoDB in the cloud. Check their website [here](#)

Heroku

We will need to create a Heroku account for the last training. Heroku is a container-based cloud Platform as a Service (PaaS). Developers use Heroku to deploy, manage, and scale modern apps. It is fully managed, giving developers the freedom to focus on their core product without the distraction of maintaining servers, hardware, or infrastructure. Check their website [here](#) and create an account if you don't have one

Here is a link to the different documentations of the different technologies we will be learning about:

- Git: <https://git-scm.com/doc>
- HTML, CSS & Javascript: <https://developer.mozilla.org/>
- Tailwind CSS: <https://tailwindcss.com/>
- React: <https://reactjs.org/>
- Nodejs: <https://nodejs.org/en/docs/>
- Express: <https://expressjs.com/>
- MongoDB: <https://docs.mongodb.com/>
- Heroku: <https://devcenter.heroku.com/categories/reference>

Also, here is a link for a full roadmap of the web development: <https://roadmap.sh>