

# Unit 2 Computer Prep

## 1- Check Node Is Installed Properly

Before we get to **DOM II** your computer ought to be able to run all of the following command-line operations without errors.

### 1.1- Find out your versions of Node, Npm and Git

- `npm -v`
- `node -v`
- `git --version`

(Any of that erroring? Here's installation of **Node** [for Windows](#) and [for Mac](#))

### 1.2- Installation of a global package, using npm

- `npm i -g fkill-cli`

### 1.3- Usage of Create React App without installing it first, using npx

1. `cd ~`
2. `npx create-react-app test-project --use-npm`
3. `cd test-project`
4. `npm start`

### 1.4- Bootstrapping a fresh project, adding npm dependencies, and launching it

1. `cd ~`
2. `mkdir sample-project`
3. `cd sample-project`
4. `touch index.html`
5. `npx gitignore node`
6. `git init`
7. `npm init -y`
8. `npm i -D parcel-bundler`
9. `npx parcel index.html`

Here is an optional [video](#) explaining how to bootstrap a fresh React project from scratch. It's 9 minutes long, and if you can follow it to the end, your machine is looking good in terms of Node, NPM and Git. You will have to install React Developer Tools to be able to use the "Components" tab in Chrome Dev Tools (see next section).

## 2- Essential Programs to Install (Besides Node)

You should install the following tools, programs and extensions.

### 2.1- VSCode Extensions

- [ESLint](#) - not linting your code will cost you many, many hours
- [vscode-styled-components](#)

### 2.2- Chrome Extensions

- [React Developer Tools](#) - to easily inspect application state and props

### 2.3- Command-Line Tools

- [HTTPIe](#) - to easily perform requests to APIs using the command line
- [fkill-cli](#) - to easily kill rogue processes and liberate ports being hogged

### 2.4- Desktop Programs

- [Postman](#) to perform requests to APIs using a GUI

## 3- Recommended Settings for Chrome Developer Tools

[See screenshot](#) for recommended settings. [Here](#) is how to find the settings screen using the “three vertical dots”.

## 4- Useful Resources

We don't want to bury you in links to resources, but the following are essential.

### 4.1 Most important

- [Mozilla.org](#) - for anything JavaScript the language
- [Stack Overflow](#) - it's unlikely the answer you're looking for is not in here
- [React docs](#) - especially the “Main Concepts” guides and the [JSX in Depth](#) guide

### 4.2 Keep these handy

- [React Router docs](#)
- [Styled Components docs](#)
- [Cypress.io docs](#)