**NodeJS Developer Roadmap 2022 –**

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In this article we will explore NodeJS developer roadmap for 2022

NodeJS is a very popular runtime environment for chrome V8 JavaScript engine. The popularity of NodeJS is increasing every day for scalable network applications.

NodeJS is JavaScript based and it enables JavaScript developers to write backend (server) applications.

NodeJS uses event loops that allow NodeJS to perform non-blocking I/O operations.

In this tutorial, we will look at the tools and languages needed to be known to be a successful NodeJS developer.

**JavaScript**

JavaScript is one of the key languages while learning NodeJS, you should learn JavaScript as well. JavaScript evolves every year and increases its power more than ever.

NodeJS is totally built on JavaScript. Learning JavaScript will increase your NodeJS knowledge significantly.

**NPM**

Npm is a package manager for the JavaScript libraries and frameworks.

While you are learning how to create NodeJS projects and you will need to use the package manager (NPM) to install the required packages to your local device.

You can search for the packages in npm through their [website](https://www.npmjs.com/).

Learning npm also will be done along with the projects you make with React as well.

**Git**

In programming, git is one of the most important tools you need to learn to submit your code and work with another developer’s code.

If you are started learning git, you can have a **look**[**most used 8 GitHub commands**](https://medium.com/codex/most-used-8-github-commands-81b35f95bdf3)

In this article, you will learn how to use the commands below

* clone repository
* check status
* add to git
* how to commit
* how to push
* how to pull
* opening new branches and using these branches

**HTTP / HTTPS protocols**

Learning http/https protocols will teach you about security. HTTPS is used for secure communication over the network.

**Learning NodeJS Framework**

There are many frameworks you can use with NodeJS.

Here are the some of NodeJS frameworks you can use

* ExpressJS
* NestJS
* MeteorJS
* Socket.io
* Koajs
* Sails

I suggest you start development with **Express.js**as first step.

Here is one of my articles regarding to starting development with Expressjs

**[Express- Getting Started and Basic Routing](https://javascript.plainenglish.io/express-js-getting-started-basic-routing-938d8b629fe2" \t "_blank)**

[What is Express.js? Getting started to Express.js & installation and learn how to implement basic routing with…](https://javascript.plainenglish.io/express-js-getting-started-basic-routing-938d8b629fe2" \t "_blank)

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**Databases**

The next topic you need to learn is Databases.

There are relational and non-relational databases you can start learning for your NodeJS applications.

Here are some example databases you can use

* PostgresSQL
* MySQL
* mongoDB
* redis

**Typescript**

Typescript is used to use types inside the JavaScript. For the large-scale applications typescript definitely helps a lot along the way.

Typescript helps me to identify possible issues when I write the code itself. That provides me actually much more time than searching the whole code flow for some bug in the code itself.

Starting development with ExpressJS and Typescript is explained here

**[Express with TypeScript (and ES Modules — Compilation, Build)](https://javascript.plainenglish.io/express-with-typescript-and-es-modules-compilation-build-44f175150073" \t "_blank)**

[How to use Express with TypeScript and ES modules with example applications.](https://javascript.plainenglish.io/express-with-typescript-and-es-modules-compilation-build-44f175150073" \t "_blank)

[JavaScript.plainenglish.io](https://javascript.plainenglish.io/express-with-typescript-and-es-modules-compilation-build-44f175150073" \t "_blank)

**+Bonus GraphQL**

Graphql is a very powerful tool and it makes queries and requests much easier. After learning API structures with NodeJS i suggest you to learn graphql afterwards.

That is all regarding the NodeJS developer roadmap.