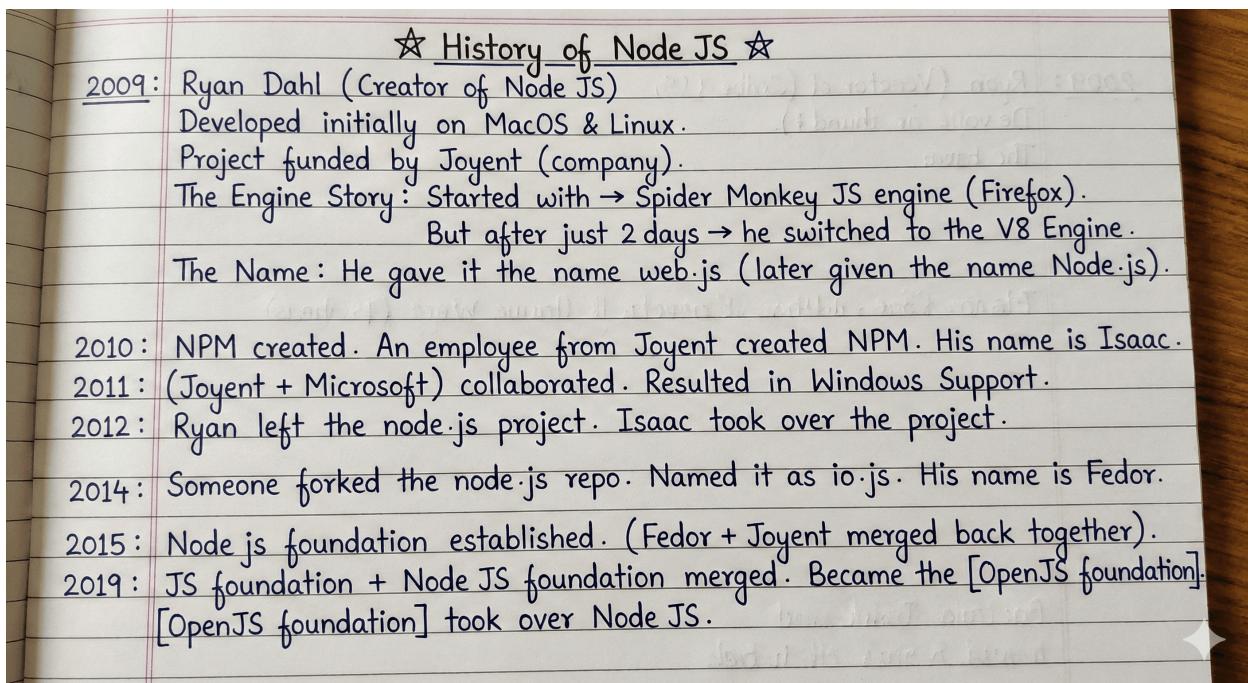


Node JS (new)

History of Node.js



Node.js → JavaScript on server

Node Github Repo: <https://github.com/nodejs/node>

Node.js Documentation:

[Index | Node.js v25.2.1 Documentation](#)

 <https://nodejs.org/docs/latest/api/>

- Node.js - Javascript on server
 - Node.js is C++ code ??
 - JS Engine - V8 (Google) is a C++ program
 - ★ What is V8 ?
 - V8 is Google's open source high-performance JavaScript engine written in C++.
 - It is used in Chrome and in Node.js
 - It implements ECMAScript and runs on Windows, MacOS, Linux systems.
 - V8 can be embedded into any C++ application.
 - V8 github repository code is in 70% written in C++ language.
 - V8 - execute JS code.
- JS code → Read by → V8 (C++) → Machine code
- Node.js is a C++ application with V8 embedded into it.
 - ECMAScript :-
It is a standard for scripting languages, including JavaScript, JScript and ActionScript.
JS Engines follow these standards (rules)

V8 Engine Github repo: <https://github.com/v8/v8>

V8 Engine Documentation:

V8 JavaScript engine

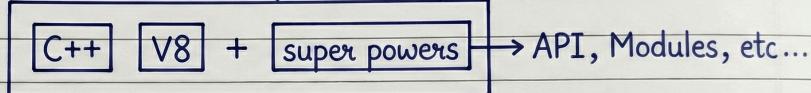
V8 is Google's open source high-performance JavaScript and WebAssembly engine, written in C++.

🔗 <https://v8.dev/>

★ JS Engine in different browsers ★

- V8 - Chrome, Edge
- Spider Monkey - Firefox
- JavaScript Core - Safari

Node JS (JS Runtime)



★ V8 is a C++ code? ★

User → Javascript → High level language.

