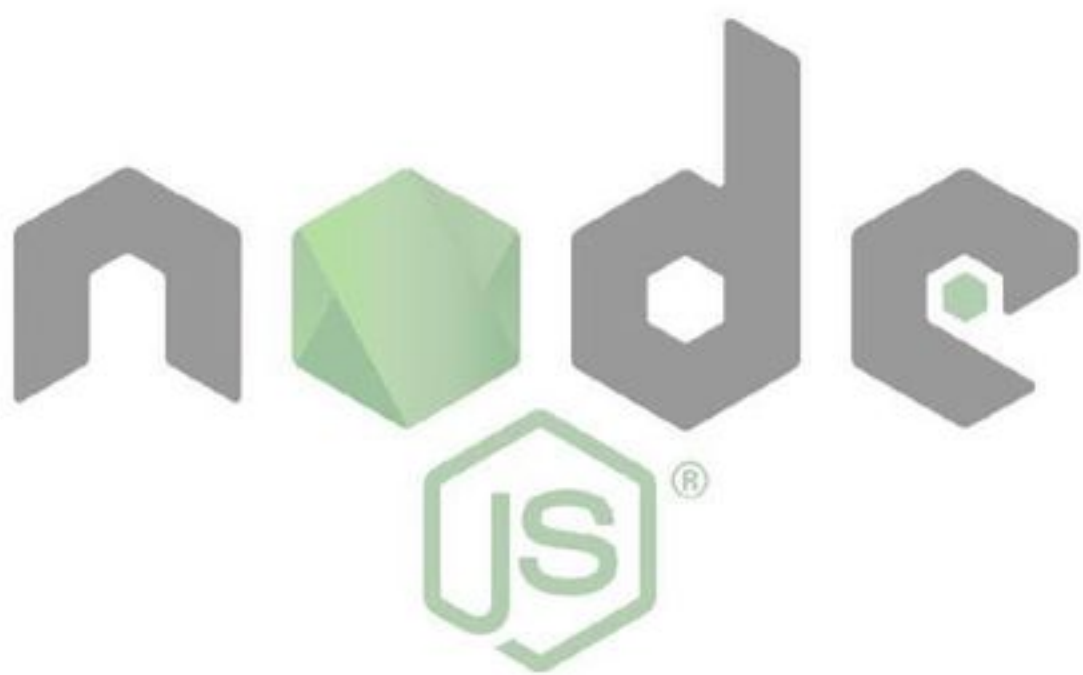


A Guide to NodeJS



What is NodeJS?

An open-source and cross-platform **runtime environment**.

Made for developing server-side and networking applications for executing JavaScript **outside the browsers**.

Main Feature of Node:

Allows to run JavaScript
outside the browser!

NodeJS is **NOT** a
Programming language.

NodeJS is **NOT** a framework.

Node.js =
Runtime Environment +
JavaScript Library



What can you do with NodeJS?

- Send/receive/Read/delete & update files on computer
- Receive request and gives response on a computer
- Communicate with a Database (easily)
- Write Server Side Code w/ JavaScript
- Freakin' awesome stuff!

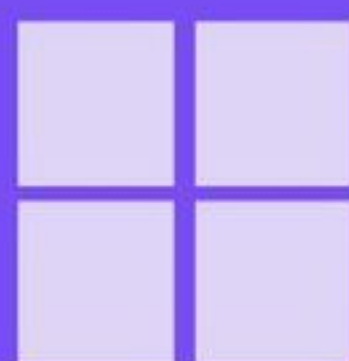
Who uses NodeJS?

PayPal

ebay

 **GoDaddy**

Uber



Microsoft

Why is NodeJS so popular?

- **JavaScript is everywhere.** JavaScript is the only choice to develop new web applications in the web browser. The new and robust framework is introduced to many new developers to create the wow factor. With Node.JS, JavaScript has changed the revolution on the server.
- **Easy to Maintain and modify.** Every application starts to look outdated if it is not updated frequently. With Node.JS, a bunch of small applications is developed instead of building a small size web application.

- **Lightning Fast and Lightweight.** NodeJS is powered by JavaScript programming languages and uses V8 version which was developed by Google for Chrome web browsers. V8 offers the ability to compile and execute JavaScript at a rapid pace because it compiles JavaScript codes into native machine codes.
- **Magical Event loop.** This is the single thread performing all the I/O operations in asynchronized manner. In NodeJS application when the application has to perform I/O operations, it will continue to perform in the entire application. After the sync operation is completed, the event loop will automatically return to the task to execute call-back.

EVER USED NODEJS? WHAT ARE YOUR ON IT?

