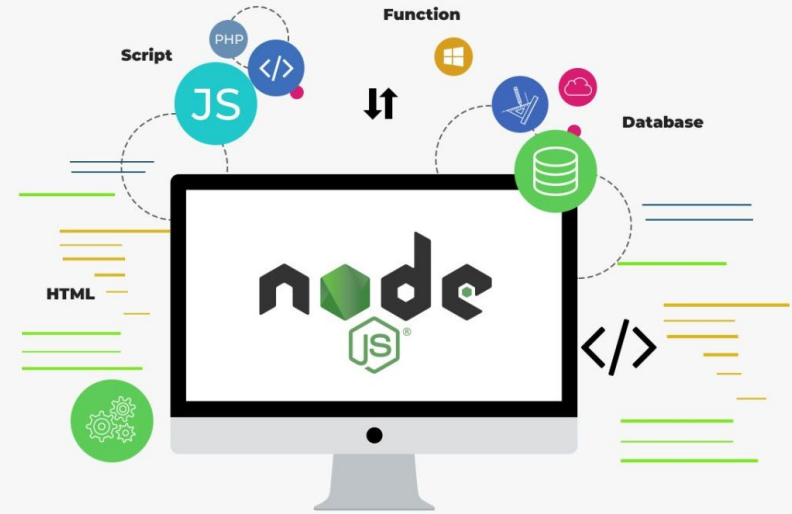
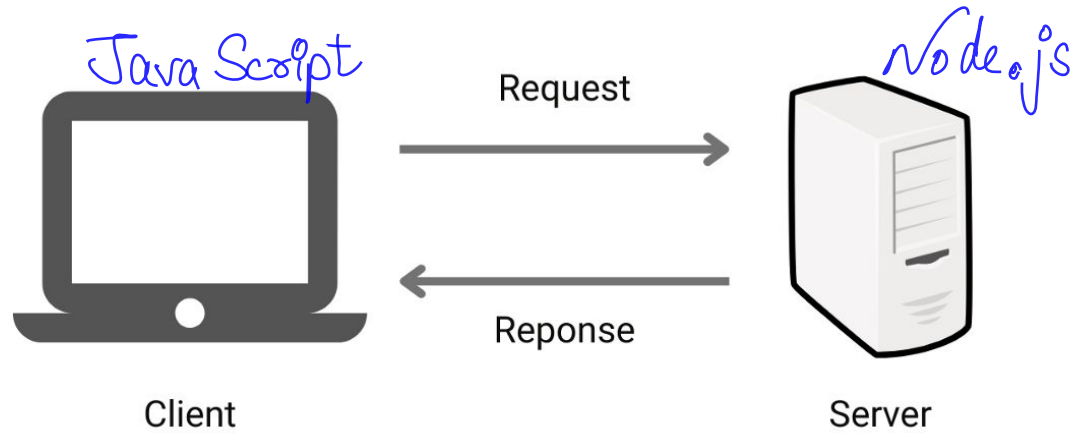


# Introduction to Server Side Scripting with Node.js



# The Client Server Model



# What is Node.js?

## Introduction to Node.js

Node.js is an open source and cross-platform JavaScript runtime environment.

It is used for server and networking applications. It runs JavaScript code outside a browser.

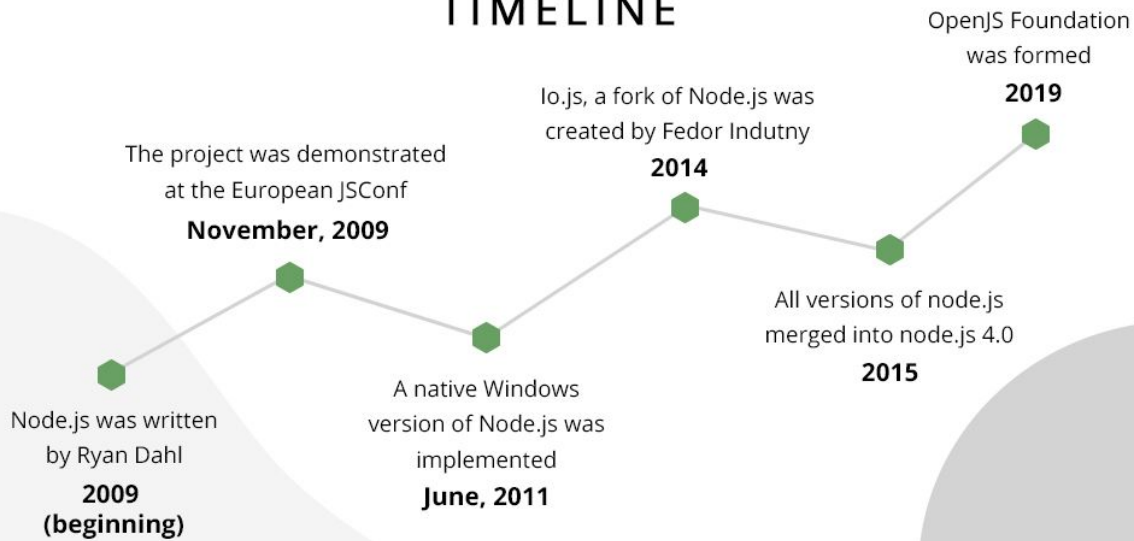
Node.js uses Google Java V8 engine for execution.



# The history of Node.js



## TIMELINE



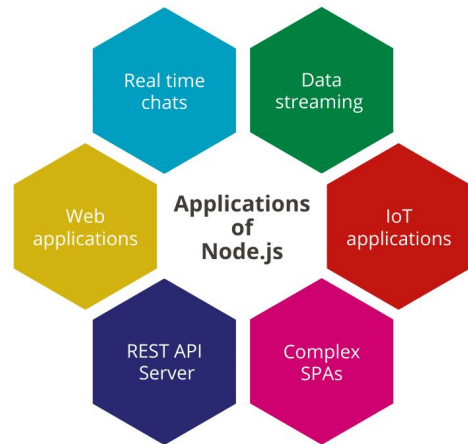
# Applications of Node.js

**Creating REST APIs** - A REST API is a communication channel between the frontend and backend of web applications.

**Creating real-time services** - The asynchronous nature of Node enables real-time event-driven programming

**Building microservices** - Since Node works on a per package basis, it is well equipped to build microservices that are smaller and faster as opposed to using bulky frameworks

**Developing Tools** - Node can be used to create efficient tools that assist developers to get real-time feedback and analytics, thus improving the overall experience of the application



# Setting up Node.js

**Step 1** - Install Node from <https://nodejs.org/en/>

**Step 2** - Registering for npm on <https://www.npmjs.com/>

