

## Node.js

### 1. What does this technology (library/framework/service) accomplish for you?

We used Node as a server-side JavaScript environment. It is convenient to construct a quickly responsive and easily expanding web app. We used Node.js as our main backend programming language.

### 2. How does this technology accomplish what it does?

Node.js uses V8 execution code developed by Google and uses event-driven, non-blocking, and asynchronous input-output models to improve performance and optimize application throughput and scale. These technologies are commonly used in data-intensive real-time applications.

Most of the basic modules of Node.js are written in JavaScript. Before the advent of Node.js, JavaScript was usually used as a client-side programming language, and programs written in JavaScript were often executed on users' browsers. The advent of Node.js enables JavaScript to also be used for server-side programming. Node.js contains a series of built-in modules, allowing the program to run as an independent server without Apache HTTP Server or IIS.

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