The software on the server side analyzes the words and runs algorithms to anticipate the user's search term. Such programs are diabolically large and complex. The JavaScript on the client's machine is as simple and small as possible to not slow down the user's interaction. The user's bandwidth limits the communication between JavaScript and the server-side program. This is why developers prioritize efficiency in JavaScript functions and make the amount of data communicated between the programs as small as possible.

With the web assembly, you can now run other languages on the web and this runs faster than JS. You can make a website without JS but it will not be interactive. In web development actually, there is no such alternative to JavaScript.

In addition to having a unified web application development, JavaScript also became the go-to language for many companies because now the engineering teams only had to worry about a single programming language which made it easier to debug and save costs in the overall development process.