

The Flavors of JavaScript

Building web applications used to be relatively simple. You had HTML and CSS — maybe you used Python or vanilla JavaScript — and probably had MySQL and Apache HTTP on the backend. Now, however, you not only have a plethora of databases, hosting providers, and servers, but an enormous collection of JavaScript libraries and frameworks. Add to that the choice of testing tools, CDNs, build script tools...the sheer number of options can be confusing. To sort it out, we surveyed our audience to see what they used the most, and what use cases they were best suited for. Take a look at the menu and make your own perfect JavaScript sundae.

Recommended Combinations

MEAN STACK
(MongoDB, ExpressJS, Angular, node.js)

LAMP STACK
(Linux, Apache, MySQL, Python)

JAVA + SPRING

ANGULAR

Angular has evolved from its origins as just a framework to a full platform for building HTML or JavaScript web apps. It includes templates, dependency injection, end-to-end tooling, and more. A whopping 79% of respondents have used some version of Angular.

REACT

React was built by Facebook to build large web apps that can change over time or in response to a user's action without reloading the page. 30% of DZone members have used React.

VUE

Vue was specifically designed to build user interfaces, and is easy to integrate into projects with other JavaScript frameworks. 10% of survey respondents use Vue.js.

BACKBONE.JS

Backbone was designed for single-page application. It has a reputation for being lightweight, and it's only dependent on the underscore.js library. 10% of developers use Backbone.js.

SELENIUM

a tool for automating web browsers for the purposes of automated testing. 56% of respondents use it.

JASMINE

a lightweight behavior-driven development framework for testing JavaScript. 26% of DZone members use it.

Package Management Tools

NPM

With 63% of members using it, npm is the most popular package management tool. It is also the default manager for node.js.

CDNs

JQUERY CDN

Part of the jQuery library is the CDN hosted by Stackpath. Given jQuery's popularity, 50% of survey respondents use it.

GOOGLE HOSTED LIBRARIES

A collection of CDN libraries that can be added to several web frameworks. About 35% of DZone members use them.

NPM SCRIPTS

Even though it's not built to be a build tool, npm can act as one thanks to npm Scripts, which are used by 55% of respondents.

GULP.JS

Gulp automates several repetitive web development tasks such as concatenation, and unit testing. 31% of DZone users automate tasks using Gulp.

Build Script Tools

MYSQL

an open source relational database, used by 57% of respondents. It's a core piece of the LAMP stack and other -AMP stacks.

Databases

MONGODB

is a NoSQL document database that stores data in JSON, BSON, or XML files, used by 46% of DZone members.

Frameworks

Testing Tools

