Nathaniel Quashie

1. **JavaScript (JS)** is a [high-level](https://en.wikipedia.org/wiki/High-level_programming_language), [dynamic](https://en.wikipedia.org/wiki/Dynamic_programming_language), [untyped](https://en.wikipedia.org/wiki/Programming_language#Type_system), and [interpreted](https://en.wikipedia.org/wiki/Interpreted_language) programming language.[[6]](https://en.wikipedia.org/wiki/JavaScript#cite_note-FOOTNOTEFlanagan20111-6) It has been standardized in the [ECMAScript](https://en.wikipedia.org/wiki/ECMAScript) language specification.[[7]](https://en.wikipedia.org/wiki/JavaScript#cite_note-FOOTNOTEFlanagan20112-7) Alongside [HTML](https://en.wikipedia.org/wiki/HTML) and [CSS](https://en.wikipedia.org/wiki/CSS), it is one of the three core technologies of[World Wide Web](https://en.wikipedia.org/wiki/World_Wide_Web) content production; the majority of [websites](https://en.wikipedia.org/wiki/Website) employ it and it is supported by all modern [Web browsers](https://en.wikipedia.org/wiki/Web_browser) without[plug-ins](https://en.wikipedia.org/wiki/Browser_extension).[[6]](https://en.wikipedia.org/wiki/JavaScript#cite_note-FOOTNOTEFlanagan20111-6) JavaScript is [prototype-based](https://en.wikipedia.org/wiki/Prototype-based_programming) with [first-class functions](https://en.wikipedia.org/wiki/First-class_function), making it a [multi-paradigm](https://en.wikipedia.org/wiki/Multi-paradigm) language, supporting [object-oriented](https://en.wikipedia.org/wiki/Object-oriented_programming),[[8]](https://en.wikipedia.org/wiki/JavaScript#cite_note-ECMA-262-8) [imperative](https://en.wikipedia.org/wiki/Imperative_programming), and [functional](https://en.wikipedia.org/wiki/Functional_programming) programming styles. [Full-stack development language]
2. **HyperText Markup Language** (**HTML**) is the standard [markup language](https://en.wikipedia.org/wiki/Markup_language) for creating [web pages](https://en.wikipedia.org/wiki/Web_page) and [web applications](https://en.wikipedia.org/wiki/Web_application). With [Cascading Style Sheets](https://en.wikipedia.org/wiki/Cascading_Style_Sheets) (CSS), and [JavaScript](https://en.wikipedia.org/wiki/JavaScript), it forms a triad of cornerstone technologies for the [World Wide Web](https://en.wikipedia.org/wiki/World_Wide_Web).[[1]](https://en.wikipedia.org/wiki/HTML#cite_note-1) [Web browsers](https://en.wikipedia.org/wiki/Web_browser) receive HTML documents from a [webserver](https://en.wikipedia.org/wiki/Webserver) or from local storage and render them into multimedia web pages. HTML describes the structure of a web page [semantically](https://en.wikipedia.org/wiki/Semantic) and originally included cues for the appearance of the document. [HTML elements](https://en.wikipedia.org/wiki/HTML_element) are the building blocks of HTML pages.
3. **Cascading Style Sheets** (**CSS**) is a [style sheet language](https://en.wikipedia.org/wiki/Style_sheet_language) used for describing the [presentation](https://en.wikipedia.org/wiki/Presentation_semantics) of a document written in a[markup language](https://en.wikipedia.org/wiki/Markup_language).[[1]](https://en.wikipedia.org/wiki/Cascading_Style_Sheets#cite_note-1)
4. **jQuery** is a [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) [JavaScript library](https://en.wikipedia.org/wiki/JavaScript_library) designed to simplify the [client-side scripting](https://en.wikipedia.org/wiki/Client-side_scripting) of [HTML](https://en.wikipedia.org/wiki/HTML).[[3]](https://en.wikipedia.org/wiki/JQuery#cite_note-jquery.com-3) jQuery is the most popular JavaScript library in use today, with installation on 65% of the top 10 million highest-trafficked sites on the Web.[[4]](https://en.wikipedia.org/wiki/JQuery#cite_note-4)[[5]](https://en.wikipedia.org/wiki/JQuery#cite_note-5)[[6]](https://en.wikipedia.org/wiki/JQuery#cite_note-libscore.com-6) jQuery is [free, open-source software](https://en.wikipedia.org/wiki/Free_and_open_source_software) licensed under the [MIT License](https://en.wikipedia.org/wiki/MIT_License).[[2]](https://en.wikipedia.org/wiki/JQuery#cite_note-jqorg-license-2) jQuery's syntax is designed to make it easier to navigate a document, select [DOM](https://en.wikipedia.org/wiki/Document_Object_Model) elements, create [animations](https://en.wikipedia.org/wiki/Animation), handle [events](https://en.wikipedia.org/wiki/Event_(computing)), and develop [Ajax](https://en.wikipedia.org/wiki/Ajax_(programming)) applications.
5. **React** (**React.js** or **ReactJS**) is an [open-source](https://en.wikipedia.org/wiki/Open-source_software) [JavaScript library](https://en.wikipedia.org/wiki/JavaScript_library) providing a view for data rendered as [HTML](https://en.wikipedia.org/wiki/HTML). React views are typically rendered using components that contain additional components specified as custom HTML tags. React promises programmers a model in which subcomponents cannot directly affect enclosing components ("data flows down"); efficient updating of the HTML document when data changes; and a clean separation between components on a modern [single-page application](https://en.wikipedia.org/wiki/Single-page_application).
6. **MongoDB** (from *hu****mongo****us*) is a [Free](https://en.wikipedia.org/wiki/Free_Software) and [open-source](https://en.wikipedia.org/wiki/Open-source) [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) [document-oriented database](https://en.wikipedia.org/wiki/Document-oriented_database) program. Classified as a [NoSQL](https://en.wikipedia.org/wiki/NoSQL) database program, MongoDB avoids the traditional table-based [relational database](https://en.wikipedia.org/wiki/Relational_database) structure in favor of [JSON](https://en.wikipedia.org/wiki/JSON)-like documents with dynamic [schemas](https://en.wikipedia.org/wiki/Database_schema) (It calls the format [BSON](https://en.wikipedia.org/wiki/BSON)), making the integration of data in certain types of applications easier and faster.
7. **Node.js** is an [open-source](https://en.wikipedia.org/wiki/Open-source_software), [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) [JavaScript](https://en.wikipedia.org/wiki/JavaScript) [runtime environment](https://en.wikipedia.org/wiki/Runtime_system) for developing a diverse variety of tools and applications. Although Node.js is not a [JavaScript framework](https://en.wikipedia.org/wiki/JavaScript_framework),[[3]](https://en.wikipedia.org/wiki/Node.js#cite_note-JAVAWORLD-3) many of its basic modules are written in [JavaScript](https://en.wikipedia.org/wiki/JavaScript), and developers can write new modules in JavaScript. The runtime environment interprets JavaScript using [Google](https://en.wikipedia.org/wiki/Google)'s [V8](https://en.wikipedia.org/wiki/V8_(JavaScript_engine)) JavaScript engine. Node.js has an [event-driven architecture](https://en.wikipedia.org/wiki/Event-driven_architecture) capable of [asynchronous I/O](https://en.wikipedia.org/wiki/Asynchronous_I/O). These design choices aim to optimize [throughput](https://en.wikipedia.org/wiki/Throughput) and [scalability](https://en.wikipedia.org/wiki/Scalability) in [Web applications](https://en.wikipedia.org/wiki/Web_application) with many input/output operations, as well as for [real-time Web](https://en.wikipedia.org/wiki/Real-time_Web) applications (e.g., [real-time communication](https://en.wikipedia.org/wiki/Real-time_communication) programs and [browser games](https://en.wikipedia.org/wiki/Browser_game)).[[4]](https://en.wikipedia.org/wiki/Node.js#cite_note-readwrite-4)
8. **Express.js**, or simply **Express**, is a [web application framework](https://en.wikipedia.org/wiki/Web_application_framework) for [Node.js](https://en.wikipedia.org/wiki/Node.js), released as [free and open-source software](https://en.wikipedia.org/wiki/Free_and_open-source_software) under the [MIT License](https://en.wikipedia.org/wiki/MIT_License). It is designed for building [web applications](https://en.wikipedia.org/wiki/Web_application) and [APIs](https://en.wikipedia.org/wiki/API).[[1]](https://en.wikipedia.org/wiki/Express.js#cite_note-ExpressJS-1) It is the de facto standard server framework for Node.js.[[2]](https://en.wikipedia.org/wiki/Express.js#cite_note-2) The original author, TJ Holowaychuk, described it as a [Sinatra](https://en.wikipedia.org/wiki/Sinatra_(software))-inspired server,[[3]](https://en.wikipedia.org/wiki/Express.js#cite_note-3) meaning that it is relatively minimal with many features available as plugins. Express is the backend part of the [MEAN stack](https://en.wikipedia.org/wiki/MEAN_(software_bundle)), together with [MongoDB](https://en.wikipedia.org/wiki/MongoDB) database and [AngularJS](https://en.wikipedia.org/wiki/AngularJS) frontend framework.
9. **AngularJS** ("**Angular**" or "**Angular.js**") is a complete JavaScript-based [open-source](https://en.wikipedia.org/wiki/Open-source_software) front-end [web application framework](https://en.wikipedia.org/wiki/Web_application_framework) mainly maintained by [Google](https://en.wikipedia.org/wiki/Google) and by a community of individuals and corporations to address many of the challenges encountered in developing [single-page applications](https://en.wikipedia.org/wiki/Single-page_application). The JavaScript components complement [PhoneGap](https://en.wikipedia.org/wiki/Apache_Cordova), the framework used for developing cross-platform mobile apps. It aims to simplify both the development and the [testing](https://en.wikipedia.org/wiki/Software_testing) of such applications by providing a framework for client-side [model–view–controller](https://en.wikipedia.org/wiki/Model%E2%80%93view%E2%80%93controller) (MVC) and [model–view–viewmodel](https://en.wikipedia.org/wiki/Model_View_ViewModel) (MVVM) architectures, along with components commonly used in [rich Internet applications](https://en.wikipedia.org/wiki/Rich_Internet_application). The AngularJS framework works by first reading the [HTML](https://en.wikipedia.org/wiki/HTML) page, which has embedded into it additional custom [tag attributes](https://en.wikipedia.org/wiki/HTML_attribute). Angular interprets those attributes as [directives](https://en.wikipedia.org/wiki/Directive_(programming)) to bind input or output parts of the page to a model that is represented by standard [JavaScript](https://en.wikipedia.org/wiki/JavaScript) [variables](https://en.wikipedia.org/wiki/Variable_(computer_science)). The values of those JavaScript variables can be manually set within the code, or retrieved from static or dynamic [JSON](https://en.wikipedia.org/wiki/JSON) resources.
10. **Sass** is a [scripting language](https://en.wikipedia.org/wiki/Scripting_language) that is [interpreted](https://en.wikipedia.org/wiki/Interpreted_language) into [Cascading Style Sheets](https://en.wikipedia.org/wiki/Cascading_Style_Sheets) (CSS). SassScript is the scripting language itself. Sass consists of two [syntaxes](https://en.wikipedia.org/wiki/Syntax_(programming_languages)). The original syntax, called "the indented syntax", uses a syntax similar to [Haml](https://en.wikipedia.org/wiki/Haml).[[4]](https://en.wikipedia.org/wiki/Sass_(stylesheet_language)#cite_note-main-4) It uses [indentation](https://en.wikipedia.org/wiki/Indent_style) to separate [code blocks](https://en.wikipedia.org/wiki/Block_(programming)) and [newline](https://en.wikipedia.org/wiki/Newline) characters to separate rules. The newer syntax, "SCSS", uses block formatting like that of CSS. It uses braces to denote code blocks and semicolons to separate lines within a block. The indented syntax and SCSS files are traditionally given the [extensions](https://en.wikipedia.org/wiki/Filename_extension) .sass and .scss, respectively.