**JAVASCRIPT BLOG**

**What is JavaScript ?**

JavaScript is a popular computer programming language, we can make more attractive **HTML** web pages by the help of **JavaScript**. This is a powerful scripting language. JavaScript supports all type of web browser and operating system. Maximum companies use JavaScript currently. We can make dynamic web pages by JavaScript and use it as well in creates mobile application, web application, games etc. By the way, the official name of JavaScript is ECMAScript. JavaScript is a lightweight scripting language. JavaScript is a client side scripting as well as a server side scripting, so we can use easily in both servers.

**History of a JavaScript**

JavaScript is invented in 1995 by Netscape Communication Corporation’s programmer **“Brendon Eich”**. In starting phase JavaScript’s name was Mocha, but later changed it to LiveScript, And finally this programming language was named JavaScript. At the first time in December 1995 JavaScript used in Netscape browser version 2.0. Today almost the world’s big website like Facebook, Google also use JavaScript.

**Why JavaScript is Still Popular ?**

JavaScript is a huge uses scripting language in present time. Almost all the developers use JavaScript in their work or projects. Without JavaScript, we can’t make interactive or user friendly website. There are some such reasons that why JavaScript is still so popular.

These are the some points which makes **JavaScript** most popular language:

**1. Easy to Learn**

JavaScript is very easy to learn because code syntax is very simple in JavaScript.

**2. Speed**

Being client side, JavaScript is very fast as it runs instantly in the client side browser.

**3. Simplicity**

JavaScript is very simple to learn learns as well as implement.

**4. Server Load**

JavaScript’s script are written for the client side which are executes by the browser on the user’s device, thereafter reduces the server request.

**5. Interoperability**

JavaScript easily compatible with other languages and uses in many application. Unlike PHP and SSI scripts, JavaScript can be easily inserted into any web pages.

**6. Rich Interface**

It provides a rich interface to our website due to the presence of Drag or Drop component or Slider.

**7. Modern Frameworks**

JavaScript supports modern frameworks like React, Angular, Vue.js. This frameworks have stabilized and are being optimized for better performance. Most frameworks are very developer friendly with good community support.

**JavaScript Features**

JavaScript is a client side technology, it is mainly used for client side validation. But there are some qualities which is given below.

* JavaScript can be run in any web browser without compiling.
* This is an object oriented language but the way of handling objects in JavaScript is different from object oriented language like **Java** and **C++**.
* We can create dynamic web page with the help of JavaScript.
* JavaScript is a case sensitive programming language.
* JavaScript almost supports all type of web browser and operating system.
* After event occurrence in JavaScript we can add Text, Table, Image and link etc.
* JavaScript has a function to set the date and time.
* We can use JavaScript in client side as well as server side.

**JavaScript Future**

JavaScript is everywhere these day, and I’m not talking about front end vs back and I’m talking game, mobile apps, desktop apps as well as hybrid app. According to the **Stack Overflow** developer survey JavaScript is the most wanted job skill in the world currently. We are currently in the middle of transition of programming world. JavaScript is becoming one of the top language for ‘choices of all’. Reasons given below.

**Server-Side Programming –** JavaScript allow us to handle all server side stuff using node.js, node.js is much faster programming language than other and easy to code, easy to handle the execution and give excellent performance.

**The Node.js**

Node.js is the most game changing tool brought to the programming world since JavaScript. Node.js is open source and cross platform runtime environment for executing JavaScript code. Node.js allows JavaScript to do just about any other programming language can do. Traditionally, front end code was written in **HTML**, **CSS** and **JavaScript** and back and code hade to be in written in **C++**, **Java**, **Python**.

Node.js allows to write backend code in JavaScript. Which means that the developer need only to learn JavaScript for write front end code as well as backend code.

**Front-end Framework –** With the help of JavaScript front-end framework we can create attractive component, single page application with superfast performance speed. The most popular JavaScript framework and libraries are:

1. **Angular**
2. **React**
3. **Vue.js**

**Superfast Performance –** ECMAScript 6 **(ES6)** and related technology are developed for modern web requirements and speed is a primary requirement for ES6. So all ES6 related technology are fully awesome.