**Survey on App Development Tools & Technologies**

1. **Node Js**

A Node.js app is run in a single process, without creating a new thread for every request. Node.js provides a set of asynchronous I/O primitives in its standard library that prevent JavaScript code from blocking and generally, libraries in Node.js are written using non-blocking paradigms, making blocking behavior the exception rather than the norm.

1. **Swift**

Swift combines powerful type inference and pattern matching with a modern, lightweight syntax, allowing complex ideas to be expressed in a clear and concise manner. As a result, code is not just easier to write, but easier to read and maintain as well.

1. **Objective C**

Objective-C is a general-purpose, object-oriented programming language that adds Smalltalk-style messaging to the C programming language. This is the main programming language used by Apple for the OS X and iOS operating systems and their respective APIs, Cocoa and Cocoa Touch.

1. **PhoneGap**

PhoneGap is a software development framework by Adobe System, which is used to develop mobile applications. PhoneGap produces apps for all popular mobile OS platforms such as iOS, Android, BlackBerry, and Windows Mobile OS etc.

1. **DOM Frameworks**

The Document Object Model (DOM) is a cross-platform and language-independent convention to interact with objects in HTML, XHTML, and XML documents. To build any interactive mobile website or HTML5 based app, JavaScript is required. If the mobile app is fairly trivial then writing the code according to DOM is the way to go. DOM frameworks are useful when there are a lot of DOM elements used and for network communication and animations.

1. **CSS Frameworks**

These are pre-prepared software frameworks that are meant for easier and more standards-compliant web design using the CSS language. These frameworks are mostly design oriented and unobtrusive. E.g., Bootstrap, TopCoat, PURE, ZURB Foundation.

1. **JS Frameworks**

These frameworks have become increasing popular in the last few years amongst mobile app developers. JavaScript frameworks serve as essential tools for advanced JavaScript programming. With the capability of doing almost anything, JS frameworks along with JavaScript libraries provide some useful foundations to build mobile apps on. E.g., Angular JS, Backbone, Ember, React.

 Web App Development tools and technologies

1. **HTML & CSS**

[HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) is one of the first you should learn. Thanks to HTML, the web browsers know what to show once they receive the request. If you want to better understand how HTML works, you also need to know what CSS is.

[CSS](https://developer.mozilla.org/en-US/docs/Web/CSS) stands for Cascading Style Sheets and it describes how HTML elements are to be displayed on the screen. If you browse enough tutorials, you’ll soon create [CSS text effects](https://www.designyourway.net/blog/web-and-mobile-design/yes-you-can-actually-make-these-text-effects-in-css/), [page transitions](https://wpdatatables.com/css-page-transitions/), [image hover effects](https://wpdatatables.com/css-image-hover-effects/), and more.

1. **Web Development Frameworks**

Web development frameworks are a starting point of items that a developer can use to avoid doing the simple or mundane tasks, and instead get right to work. E.g., Angular, Ruby On Rails, YII, Meteor JS, Express.JS, Django, Laravel.

1. **Programming Languages**

since computers don’t use languages that are anything like human languages, they need a different way to communicate. Here are some of the most popular programming languages:

[Javascript](https://developer.mozilla.org/en-US/docs/Web/JavaScript) – used by all web browsers, Meteor, and lots of other frameworks

[CoffeeScript](http://coffeescript.org/) – a “dialect” of JavaScript. It is viewed as simpler but it converts back into JavaScript

[Python](https://www.python.org/) – used by the Django framework as well as in the majority of mathematical calculations

[Ruby](https://www.ruby-lang.org/en/) – used by the Ruby on Rails framework

[PHP](http://php.net/) – used by WordPress to create those [WYSIWYG editors](https://www.millforbusiness.com/wysiwyg-wordpress/) that everyone is using now. It’s also used by Facebook, Wikipedia, and other major sites

[Go](https://golang.org/) – newer language, built for speed

[Swift](https://developer.apple.com/swift/) – Apple’s newest programming language

[Java](https://www.java.com/en/about/) – used by Android and a lot of desktop applications.