



Who We Are?

About Us

We are a young and a vibrant SME currently operating from United Arab Emirates with a small team of modest learners and enthusiastic professionals specializing into broad range of IT and Financial products and services comprising of system integration tool, POS system, marketing tools, ERP & CRM applications, web designing & development services, mobile apps, book keeping & year end financials, outsourced payroll, VAT, audit and various advisory services. We also provide training on technologies over financial ERP.

Previously our company operated under the brand name of **BRIGHTMIND COMPUTER SOLUTIONS**, which has now been changed to **TEKMALIA** resulting in revamping of our brand name, logo, website and modifying of our existing products & services and introducing new ones to cater the much-anticipated Dubai Expo 2020



إكسبو 2020
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MOBILE APP DEVELOPMENT

Mobile app development is the process of creating of software that is intended to run on mobile devices. The end result is however a software intended to utilize the unique features and hardware of mobile devices.

Modern smartphones are equipped with Bluetooth, NFC, gyroscopic sensors, GPS, cameras and so much more. They can be used for virtual or augmented reality, barcode scanning and more.

Various types of mobile apps programming language include:

- 1) Native apps
- 2) HTML5 apps
- 3) Hybrid apps

NATIVE APPS:

These are apps created for a specific platform (iOS or Android) using the software development tools and languages supported by those operating systems. iOS uses Xcode and Objective-C, whereas Android uses Eclipse and Java. Developers often prefer native apps because of their ability to utilize a device's full potential. With smart home devices becoming more ubiquitous, developers are creating unique applications that integrate things like wearables, IoT sensors and smart screens for personalized experiences.

HTML5 APPS:

Based on the near-universal standards of web technologies – namely, HTML5, JavaScript and CSS – this type of mobile app takes a write-once-run-anywhere approach to mobile development. Apps developed in this framework are compatible with many platforms and require only minimal changes to ensure complete functionality in each operating system. HTML5 apps can still send desktop notifications and trigger interactions through email and other avenues.

HYBRID APPS:

These apps entail the creation of a container developed in the native system that makes it possible to embed an HTML5 app within it. This allows apps to make use of the diverse and unique elements of each native system. Before creating your own branded app, consider instead utilizing already existing apps for greater impact. For example, by using mobile-focused marketing on services such as Yelp, Facebook and Google Maps, you can drive traffic to both your website and brick-and-mortar location.

SOFTWARE DEVELOPMENT KITS:

Mobile app development requires access to software development kits (SDKs) that provide an environment through which programmers can design and test code in a simulated mobile environment. However, creating an app does not require full use of these kits. For example, developers can create mobile games using Unity and then use the Android SDK to ensure its deliverability on mobile devices. Developing apps for iOS requires a paid iOS developer license, whereas the Android SDK is freely available to users.