



# What is Native application development?

The process of developing mobile apps specifically for a given platform, such as Android or iOS, is known as native [mobile application development](#). These apps, which are released on specialised app stores like Google Play and the App Store, are created specifically for a given mobile operating system.

Since they are designed specifically for the operating system and perform better than web-based apps, native mobile apps have several advantages over hybrid apps. Additionally, they provide access to phone hardware that a mobile browser might not be able to.



It is critical to keep in mind that different programming languages and development environments are created for the various platforms native apps can be created on. For instance, the majority of expert mobile application development services produce native Android apps using Java, C++, and Kotlin. Google also offers the Android Software Development Kit, Firebase, command-line tools, and Android Jetpack for creating native Android apps. To create native apps for iOS, developers will need a Mac computer and programming languages like Swift or Objective-C. For creating native iOS apps, Apple offers tools like Xcode, the iOS SDK, TestFlight, and Swift Playgrounds.

Twitter, WhatsApp, Pokémon Go, Waze, Spotify, and other well-known native apps are available for download from the App Store or Google Play Store.

Native mobile apps' advantages include:

**Excellent Performance:** Native apps perform quickly, responsively, and effectively because they are tailored for a particular platform.

**More intuitive and interactive:** Native mobile apps give users a better user experience by being more responsive to input and output. They also let users interact with the app through a variety of gestures.

**Mostly Bug-Free:** Compared to hybrid technologies, native mobile app development has a lower chance of developing bugs.

**Easy Scalability:** Because there are so many resources and tools at the developers' disposal when creating native mobile applications, there is a great deal of flexibility and scalability involved.

**Higher Security:** User data is shielded from unauthorised access by native mobile apps, which offer constant security.

**Utilises Device Capabilities:** Because native mobile app developers have full access to a device's features and capabilities, they are more nimble and quick to react.

**Better Support on the App Market:** When developing a native app as opposed to a hybrid app, it is simpler to improve your ranking and receive good support from the app market.

Native mobile app drawbacks

**Costly development:** Since separate teams are needed for iOS and Android development, creating native apps is more expensive than creating hybrid ones.

Native apps must meet specific download requirements before being accepted on a mobile app store, and they must receive regular updates to fix bugs and enhance features.

Hybrid vs. Native vs. Cross-Platform Apps:

Native mobile apps are more expensive to develop and maintain but provide better performance, reliability, and user experience. Native apps need separate teams for development on iOS and Android.

Cross-platform development, a technique that utilises the same codebase as hybrid apps, can be used to develop apps that work across various operating systems.

In addition to going over native mobile app development, it's extremely important to prioritize self-care. For the purpose of achieving this, set boundaries in your personal and professional lives, practice mindfulness, and develop interactions with others. By establishing boundaries, practicing mindfulness, and cultivating relationships, you can promote a healthy environment for both you and those around you.