

Building Augmented Reality Apps for Android: Tools and Frameworks



Augmented reality apps for Android are on the rise. Day-by-day businesses are opting for integrating AR into Android.

AR app development has been a great selling point for a business. There are many tools and AR frameworks, that make the work easy to integrate into your AR apps.

The next question comes up on how to create augmented reality apps. Then you came to the right place to understand. You can learn about the tools and AR frameworks to integrate AR into your mobile apps.

What is Augmented Reality for Android?

Before we talk about augmented reality apps for Android, we should know what augmented reality is with an example. Let's take an example, you are walking in a museum and the information pops up on your phone about the history of the particular artifact, while you walk through it. And those pops are supposed to give you real-world experience.

According to [Statista](#), there is an estimation that around 1.7 billion users will be using augmented reality apps worldwide by 2024.

Like, augmented reality apps for Android rely on Android devices' capability to recognize the image. Android devices should be capable of recognizing through the camera lenses and the position of the object. After that, convert it into a virtual form on the screen.

When you think of developing an augmented reality app for Android, a few key technologies work for it.

Location-based Augmented Reality

Location-based augmented reality app development uses GPS technology to find out where you are, and then it shows you helpful information based on your location.

Marker Augmented Reality

A marker is like a special object that helps an [augmented reality app developer](#) know where to put digital stuff in the real world.

Markerless Augmented Reality

Markerless augmented reality doesn't need special markers because it works directly with the camera on your device. It adds digital stuff to what you are seeing in life through your camera.

Projection-based Augmented Reality

Projection-based augmented reality app for Android is a kind of AR that uses projectors to put digital stuff into the real world. It's commonly found on Android devices because they have projectors built-in. With this type of AR, you can see digital things on any surface, no matter how big or what shape it is.

Best Augmented Reality Apps for Android

Augmented reality apps for Android make the user experience more realistic. Recently, mobile apps are becoming more fun to use, like special effects on social media has been a huge hit.

Many augmented reality apps for Android can enhance your life.

Google Translate

Google Translate has come a long way from just translating text typed on a keyboard. Currently, it has become one of the most powerful tools on the Android market. With features like augmented reality, the app keeps getting better.

Price: Free

Assemblr Studio

Assemblr Studio is an awesome AR app that lets you make your own augmented reality stuff without needing coding or design skills. It's got tons of ready-made templates, so you can easily try out different features for lots of industries, like printing and presentations.

Price: Free and In-app Purchase

AR Compass

AR compass is an Android app that shows a 3D compass on the screen along with a map of your location. The compass appears at the top or middle of your screen, and it uses your phone's camera as the background.

Price: Free and upgrade to Premium version

Halo AR

Halo AR is an amazing AR app. It can let the users enhance their surroundings with cool digital overlays. By adding images, videos, text, 3D models, and audio files to any object in their surroundings. It makes the environment more interactive and fun.

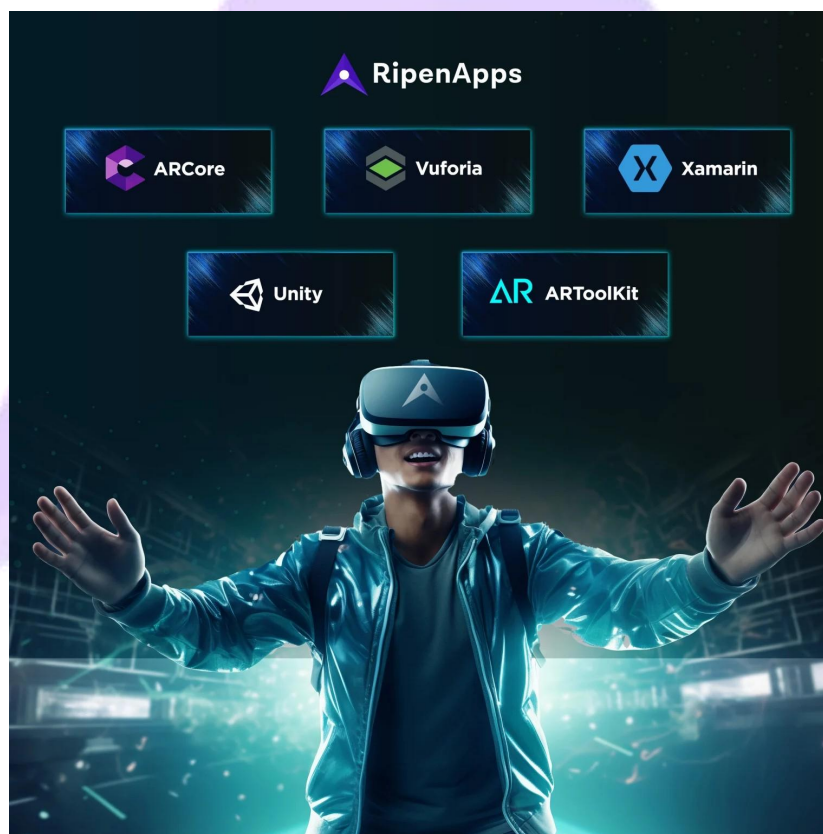
Price: Free and In-app Purchase

View

View is an AR Android app that can check out models in a unique way. What's neat about this Android app is the models you can preview offer some interesting experiences. You can either scan "ThingMarks" around you or use the pre-loaded models in the app.

Price: Free

Tools for Augmented Reality App Development



Top Frameworks Used for Augmented Reality App Development

Kudan

Kudan started in 2014 and from the beginning, it has become a must-have tool for AR app development. Its unique features for building AR apps give an unrealistic experience.

Google's ARCore

Google's ARCore is a framework for augmented reality (AR) apps for Android, that uses special tools to understand what's around you.

Unreal Engine

Unreal Engine is a strong AR framework for augmented reality app development. It works amazingly on Android devices.

Final Thoughts: Augmented Reality App for Android

The world of augmented reality app development for Android is a revolutionizing technology that is reshaping how we interact with the digital and physical world. With the advent of powerful AR frameworks, developers now have the tools to create immersive and engaging AR experiences.

There are endless possibilities, from a real-world exploration to seamless integration of digital content. Each AR framework has unique features and capabilities. [Hire dedicated developers](#) that empower you with more creativity in augmented reality apps for Android.

So, what are you waiting for? Get yourself an augmented reality app development and unlock the doors to a new dimension of possibilities. Let your imagination soar, and let's shape the future with AR in Android.

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