

# Beyond Reality: AR VR Development Services

[Augmented Reality \(AR\)](#) and [Virtual Reality \(VR\)](#) are immersive technologies that alter our perception of reality. AR enhances the real world by overlaying digital information onto it, typically viewed through smartphones, tablets, or AR glasses. On the other hand, VR transports users to entirely virtual environments, blocking out the physical world and immersing them in a computer-generated reality typically experienced through VR headsets. Both AR and VR have applications across various industries, including gaming, education, healthcare, architecture, and entertainment, offering unprecedented opportunities for interaction, exploration, and storytelling.

## **Overview Of The AR VR Development Services We Provide**

Osiz offers extensive expertise across various immersive platforms and devices. Our experts have crafted augmented reality applications and virtual reality applications tailored for diverse industries, including manufacturing, retail, and much more to cater to their requirements.

### **Custom AR VR App Development**

We deliver customized immersive solutions that cater to the dynamic needs of the evolving digital landscape. Our versatile AR and VR services span across platforms, enabling 3D modeling, rendering, texturing, and seamless system integration. Our team of specialists will design precise customized solutions to perfectly fit your specific needs.

### **AR VR Game Development**

We create intelligent, high-definition visuals with interactive 3D models that run in real-time, delivering the ultimate AR and VR gaming experience. Steer in the hyper-functional aspects of our AR VR gaming platform with innovative concepts that push the boundaries of imagination of modern gaming.

### **AR VR In IoT & Data Visualization**

We collaborate the power of augmented and virtual reality with IoT to deliver a seamless experience across multiple devices. Our highly efficient AR/VR app developers enable seamless integration of AR VR headsets along with other hardware solutions for real time data visualization, monitoring, and control.

## **Augmented Reality (AR) Solutions**

Our team leverages hightech AR tools and platforms to create immersive experiences that seamlessly blend digital content with the physical world. With deep expertise spanning manufacturing, healthcare, retail, education, and more, we collaborate closely with clients to develop transformative Augmented Reality solutions.

## **Virtual Reality (VR) Solutions**

Our Virtual Reality developers offer scalable and fully supported platforms ranging from portable VR rigs to multi-user, warehouse-scale 3D projection VR showrooms. We make future-proof VR solutions that let organizations visualize the unimaginable 3D projection VR displays, backpack VR rigs, VR headsets, and more.

## **Mixed Reality (VR) Solutions**

Mixed Reality refers to Augmented Virtuality (AV), a technology that seamlessly blends virtual environments with tangible, real-world elements. Our expert team leverages the power of MR to create captivating experiences that transport users into hybrid worlds, where the lines between reality and virtuality blur.

## **Cross-Platform Compatibility**

We ensure seamless performance across various platforms and devices, including smartphones, tablets, PCs, AR glasses, smart TVs, VR headsets, and more. Our cutting-edge AR VR development solutions are meticulously crafted for compatibility to target major platforms (iOS, Android) from a single codebase.

## **AR VR Simulation Development**

Our experts provide AR VR simulations through the use of Unity, and much more tools which can be experienced anywhere with just a headset. This technology is mainly used in operations and maintenance training that helps our Warfighters. Anything from integrating an aircraft to an anatomical model is within our capabilities.

# Features In Our AR VR Software

## **3D Modeling And Rendering**

Advanced tools for creating and rendering 3D models and environments, essential for building immersive AR VR experiences.

## **Motion Tracking**

Software capabilities to track users' movements and gestures accurately, enabling interactions with virtual objects and environments in real-time.

## **Image Recognition**

Algorithms and techniques for recognizing and interpreting real-world images or markers, allowing AR applications to overlay digital content onto physical objects.

## **Spatial Mapping**

Technology to create 3D maps of physical spaces, enabling AR VR applications to understand and interact with the user's environment.

## **Gesture Recognition**

Software that recognizes and interprets hand gestures and movements, providing intuitive controls for interacting with AR VR content.

## **Physics Simulation**

Simulation engines that replicate real-world physics behavior, enhancing the realism and immersion of virtual environments and interactions.

## **Audio Spatialization**

Techniques for spatializing audio within virtual environments, creating realistic soundscapes and enhancing the sense of immersion.

## **Multi Platform Development**

Tools and frameworks that support the development of AR VR applications for multiple platforms and devices, including smartphones, tablets, VR headsets, and AR glasses.

## **Cloud Integration**

Integration with cloud services for storing and processing large amounts of data, enabling scalable and collaborative AR/VR experiences.

## **User Interface Design**

Design tools and libraries for creating intuitive and user-friendly interfaces within AR/VR applications, optimizing user interactions and experiences.

Being one of the premier [AR VR development companies](#), we specialize in delivering top-notch solutions with over 15 years of expertise. Our seasoned professionals possess a deep understanding of digital reality trends and use cases, to execute diverse augmented reality & virtual reality projects with precision.