Jay Khandagale

AR/VR & IOT CONSULTANT

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SUMMARY

Highly motivated and skilled AR/VR & IoT Consultant with 2 years of experience in creating immersive user experiences through cutting-edge AR/VR applications. Proficient in Vuforia Studio, Unity, ThingWorx, JavaScript, C#, and 3D modeling software. Proven ability to leverage IoT technologies to enhance AR applications, resulting in smart and interconnected experiences. Seeking opportunities to contribute expertise and creativity to dynamic projects that push the boundaries of AR/VR and IoT.

EDUCATION

Dr. D Y Patil School Engineering & Technology, Pune

B.E IN AUTOMOBILE ENGINEERING *2018 – 2022*

EXPERIENCE

AR/VR & IoT Consultant Aug 2023 – Present

Tata Technologies

- Designed and developed 5+ cutting-edge AR/VR applications (mobile & desktop) that increased user engagement by 20%.
- Utilized 3D modeling software (e.g., Creo, CATIA) and animation tools (e.g., Creo Illustrate) to create immersive user experiences.
- Collaborated with cross-functional teams to design and develop immersive AR experiences using Vuforia Studio and Unity.
- Successfully integrated ThingWorx to connect AR applications with real-world sensor data, enabling smart and interconnected systems.
- Provided expert advice to clients on hardware and software selection, ensuring optimal performance and compatibility for their AR/VR and IoT needs.
- Conducted training sessions and workshops to educate clients on AR and IoT technologies.
- Contributed to innovation initiatives by exploring emerging AR/VR & IoT technologies and proposing innovative ideas for product development.

GET - AR/VR & IoT Applications Aug 2022 – 2023

Tata Technologies

- Developed AR tools for intuitive vehicle design reviews.
- Created an AR Wire Harness Fitting Guide for Tata Signa Truck, reducing fitting time by 30%.
- Led comparative analysis using AR for vehicle innovation benchmarking.
- Implemented AR solutions for optimized assembly processes at Tata Steel.

PROJECTS

- **AR Visualization for Vehicle Design:**
  Developed an AR tool for intuitive vehicle design reviews, enabling stakeholders to interact with 3D models in augmented reality for better decision-making.
- **AR Wire Harness Fitting Guide:**
  Created an AR guide for Tata Signa Truck, which reduced fitting time by 30% through augmented visual instructions.
- **AR Benchmarking for Vehicle Innovation:**
  Led comparative analysis using AR for vehicle innovation, enabling a more efficient benchmarking process.
- **AR Experiences at Tata Steel:**
  Implemented AR solutions for optimized assembly processes at Tata Steel, improving workflow efficiency and accuracy.
- **AR Inspection and Reporting System using ThingWorx:**
  Developed an AR system integrated with ThingWorx for real-time data collection and streamlined reporting workflows.

- **AR Experiences at JBM:**
  Developed AR solutions for assembly line optimization and process improvement, resulting in increased efficiency.
- **POC for Agratas:**
  Delivered proof-of-concept projects demonstrating the use of AR for training and maintenance operations at Agratas.
- **POC for Titan:**
  Enhanced design review processes using AR, focusing on balloon drawings, assembly sequences, and ergonomics checks.

TECHNICAL SKILLS

- **AR/VR Tools:** Vuforia Studio, Unity, Microsoft HoloLens
- **IoT Platforms:** ThingWorx, Kepware
- **Programming Languages:** JavaScript, C#, Angular Js
- **3D Modeling Software:** Creo, CATIA

CERTIFICATION

- **Introduction to Augmented Reality and ARCore (Coursera) | May 2023**
- **Unity and C# Basics (Coursera) | October 2023**
- **ThingWorx Fundamentals (Overview, Connectivity, Mashup, Experience, Modeling)**
- **Kepware Fundamentals Overview**
- **ThingWorx Developer Certificate** – *In Progress*
- **HiveMQ MQTT Professional Certification**