SAIFULLAH SADI

Senior Software Engineer | Unity Multiplayer & Geospatial Specialist

Lahore, Pakistan | +92-336-6633644 | saifullahsadi@hotmail.com
linkedin.com/in/xaifullahxady | github.com/Xaifullah/Intro

PROFESSIONAL SUMMARY

Senior Software Engineer with over 10 years of experience in real-time 3D, game development, and complex mapping systems. Expert in **Unreal Engine** and **Unity** for high-performance simulation and multiplayer experiences. Specialist in geospatial visualization using **Cesium.js** and **OpenLayers**. Proven track record of leading teams and managing rapid-action prototyping environments to deliver highly engaged user experiences.

TECHNICAL SKILLS

- **Engines & Languages:** Unreal Engine, Unity3D, C#, C++, JavaScript, TypeScript, Node.js.
- **Geospatial:** Cesium.js, OpenLayers, 3D Tiles, GIS, Terrain Generation, Real-Time Maps.
- **AI-Driven Web & Frontend:** Vue.js, React.js, WebGL, REST APIs.
- **Specialized:** Multiplayer & Networking, Web3/Blockchain, Rendering Optimization, Physics & Math.
- **Tools:** AWS, Docker, Git, CI/CD, Google Play, App Store, Steam.

PROFESSIONAL EXPERIENCE

Big Immersive Pvt Ltd   **Dec 2022 – Feb 2026 (3.2Y)**
Sr. Software Engineer   Lahore, Pakistan
- AI-Driven development in **MERN stack using CLAUDE** for fast speed, modular and architectural code and CI/CD pipelines **React/Vue, Express Node, MongoDB**.
- Developing a geospatial software solution utilizing **Cesium.js, Node.js, Vue.js, and React.js**.
- Implementing advanced geospatial calculations, real-time visualization, and system integrations in **Unreal Engine** and **Unity**.
- Applying Unreal Engine for prototyping visualization workflows and extending learning into production-grade contexts.
- Developing multiplayer experiences, custom tools, and Web3.0 integrations.

Tribech Solution Pvt Ltd   **Oct 2020 – Dec 2022 (2.1Y)**
Team Lead   Lahore, Pakistan
- Managed hyper-casual genre prototyping from concept to final product in a rapid-action environment.
- Collaborated with art and design teams to create highly engaged user experiences.

MITByte   **March 2018 – Aug 2019 (1.5Y)**
Project Manager & Tech Lead   Lahore, Pakistan
- Led technical development and project management for hyper-casual game portfolios.
- Oversaw rapid prototyping cycles and cross-functional team collaboration.

Galassia Studios   **Sep 2016 – Oct 2017 (1Y)**
Team Lead   Lahore, Pakistan
- Directed development teams in the creation and optimization of mobile game titles.

Sunstar Technologies   **Sep 2015 – Aug 2016 (1Y)**
Sr. Unity3D Game Developer   Lahore, Pakistan
- Developed gameplay mechanics and systems for hyper-casual titles using Unity3D.

Absomech   **March 2014 – Aug 2015 (1.5Y)**
Unity3D Game Developer   Lahore, Pakistan
- Engineered core gameplay loops and mobile optimizations for various game genres.

KEY PROJECTS

- **Geospatial Defense Simulation:** Developed 3D strategic defense simulations in Cesium.js, integrating dynamic weather systems and complex spatial analysis tools including Line of Sight (LOS) and 3D Viewshed Analysis.
- **Cardano Island 3D (Multiplayer Metaverse):** Real-world 3D metaverse experience in Unity for the Cardano community featuring land ownership and deeds.
- **Maians (Avatar Creator Tool):** A 3D avatar platform integrating AI, Social Identity, and Web3.
- **Crib & Condo / Gamer's Lounge:** Multiplayer virtual 3D spaces for the Virtua Metaverse allowing for personalization and social interaction.
- **Unity Terrain Generator:** Plugin for generating real-world terrain meshes/Unity terrains from elevation data.

PERSONAL PROJECTS

- **Community App:** AI-Driven Cross-platform Flutter application featuring real-time location tracking and movement handling. Built with a Node.js/Express backend and WebSocket for live data synchronization.
  Tech: Flutter, Dart, AWS S3, PostgreSQL, Node.js, WebSockets
- **Agentic AI Data Engineering Tool:** AI-Driven Web-based data science platform for automated CSV analysis and visualization. Integrated Agentic AI to recommend data-cleaning workflows and prepare datasets for Machine Learning models.
  Tech: React, Python, Node.js, MongoDB, OpenAI/Gemini API

EDUCATION & CERTIFICATIONS

- **Bachelor of Science in Information Technology** 2010 – 2014
  The Islamia University Of Bahawalpur, Bahawalpur, Pakistan
- **Google AI Essentials** Nov 2024
  Coursera | Score: 80%+ (Credly)

ADDITIONAL INFORMATION

- **Languages:** Urdu (Native), English (Professional).
- **Interests:** Adventure motorcycle touring
- **Current Focus:** MCP (Model Context Protocol) and AI Agentic Systems.