SAIFULLAH SADI

Senior Full-Stack Engineer | AI-Driven Development & Geospatial Systems Specialist

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 3+ years of experience specializing in **AI-driven development** (Claude, Cursor IDE) to accelerate delivery of enterprise web applications and geospatial systems. Expert in **Vue.js 3, Node.js, and TypeScript**, with a foundation in 3D real-time systems and WebGL. Proven track record of delivering 2-3x faster development cycles using modern LLM-assisted workflows.

TECHNICAL SKILLS

- **AI Tools:** Claude (Architecting), Cursor IDE (AI-Assisted Coding), MCP Integration, LLM APIs.
- **Frontend:** Vue.js 3, React, TypeScript, Flutter/Dart, Tailwind CSS, WebGL, MapBox.
- **Backend:** Node.js, Express, WebSocket, RESTful APIs, PostgreSQL, MongoDB, Redis, JWT.
- **Geospatial:** Cesium.js (3D Tiles/Terrain), OpenLayers, MapLibre, GIS Spatial Analysis.
- **Cloud & DevOps:** GCP, AWS (S3), Docker, GitHub Actions, .NET/C#.

PROFESSIONAL EXPERIENCE

Big Immersive Pvt Ltd Dec 2022 – Feb 2026
Sr. Full-Stack Engineer Lahore, Pakistan

- **AI-Driven Full-Stack Development:** Built enterprise web applications using **Vue.js 3, React, and Node.js**. Leveraged Claude and Cursor to maintain 2-3x development velocity while ensuring high-quality, production-ready code.
- **Geospatial Simulation Suite:** Architected the **ORBAT** and **Rocket Flight Simulation** systems. Developed real-time 3D tactical overlays, Line of Sight (LoS) analysis, and dual-map synchronization using **Cesium.js** and **OpenLayers**.
- **Maians Avatar Platform:** Led full-stack development of a WebGL-based avatar creator, integrating a React frontend with a cross-platform SDK and Web3 features.
- **Metaverse Experience:** Developed multiple core features like multiplayer, UI & Inventory System (RESTful) in Crib&Condo, Gamers Lounge and Virtua SandBox development.

Technical Foundation: Leadership & Product Development 2014 – 2022
Technical Lead | Project Manager | Software Engineer *Tribech, MITByte, Galassia, Sunstar, AbsoMesh*

- **Product Leadership & Scale:** Led cross-functional teams and technical architecture for high-traffic products (millions of users). Directed full lifecycles from rapid prototyping to production, implementing data-driven KPI tracking and optimization across web and mobile platforms.
- **Advanced 3D Systems:** 7+ years specializing in high-performance simulations and 3D mathematics. Expertly bridged real-time engines with modern web frontends via WebGL, achieving significant performance gains including a 40% reduction in draw calls.

KEY PROJECTS

Defense Planning & Simulation Systems
- *Vue.js 3, TypeScript, CesiumJS, Node.js, Express.* Enterprise-grade geospatial platforms featuring 3D terrain rendering, tactical mission planning, and mission-critical spatial analysis.

Community Event Mobile Platform (Personal)
- *Flutter, Dart, Node.js, PostgreSQL, Docker, AWS S3.* Full-stack cross-platform app with real-time location tracking and microservices architecture.

AI Data Engineering Tool (Personal)
- *React, Python, Gemini AI, Chart.js.* Intelligent tool for automated CSV cleaning, data analysis, and geospatial mapping visualizations.

EDUCATION & CERTIFICATIONS

- **Google AI Essentials** (2024) – Coursera (Credly)
- **Bachelor of Science in Information Technology** (2010 – 2014) – The Islamia University Of Bahawalpur

ADDITIONAL INFORMATION

- **Current Focus:** AI-Driven workflows, Model Context Protocol (MCP), and LLM-integrated web applications.
- **Technical Edge:** Unique ability to bridge the gap between complex 3D engine logic (Unity background) and modern web technologies (Full-Stack).
- **Languages:** English (Professional), Urdu (Native).