

AYSAN ZEINALVAND

FULL-STACK SOFTWARE ENGINEER | React & Python · AI Applications · Real-Time & Web-GIS

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Tehran / Tabriz, Iran · UTC+03:30 · Open to global remote employment and contract roles

PROFESSIONAL SUMMARY

Full-stack software engineer with 4+ years delivering production web products from architecture to deployment. Shipped 25+ projects for clients in Canada, Germany and France while collaborating remotely from Iran. Strong in React/TypeScript, Python services, AI/LLM interfaces, real-time communication and complex Web-GIS. Hands-on technical lead with experience managing teams of up to five. [Portfolio & live demos](#).

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer & Product Manager

Mar 2026 – Present

[Sharif Dynamics](#) · Tehran, Iran

- Owned end-to-end delivery of internal products: architecture, Python services, React frontend, containerization and production deployment.
- Built a production React interface for a self-hosted LLM assistant used daily by 50+ people, with streaming chat, persistent conversation memory and document search.
- Integrated Python microservices and AI inference over gRPC/Protocol Buffers for low-latency streaming; contributed to feature prioritization and roadmap decisions.

GIS Frontend Developer (Sole Developer)

Sep 2025 – Mar 2026

[Atlas Innovation Ecosystem](#) · Tehran, Iran

- Designed, developed and launched a full Web-GIS platform independently in 3 months; deployed it to 3 organizations.
- Built interactive maps supporting 10+ GeoJSON/WMS layers, annotations, in-place attribute editing and round-trip data export.
- Implemented live asset tracking, Three.js 3D models, drawing/measurement tools and MapLibre/Mapbox GL integrations with GeoServer and GeoNetwork.

Full-Stack Developer & Technical Lead (Contract)

Jan 2025 – Present

Independent Contractor · Remote / International

- Delivered 25+ software projects for clients in Canada, Germany and France, spanning scoping, architecture, development, deployment and handover.
- Led a 4-person cross-functional team while remaining hands-on; owned technical documentation, code reviews and Linux/Docker/Nginx/CI/CD delivery.
- Built the Buyad advertising-management frontend: [Web App](#) and [Telegram Mini-App](#), including Telegram WebApp authentication and in-app payment flows.

Technical Team Lead

Sep 2024 – Mar 2025

Moshaver Amlak · Real-estate SaaS · Tabriz, Iran

- Led a 5-person React/Django team building a role-based real-estate management SaaS, with an [agent/owner web app](#) and separate [admin panel](#).
- Owned architecture, sprint planning, cross-stack code review and Jira delivery; collaborated on product scenarios and UX flows.

Senior Frontend Developer

Jan 2024 – Aug 2024

[Pardakht Plus](#) · Fintech · Tabriz, Iran · *Part-time alongside Husan*

- Led a 3-person frontend team, mentoring developers, setting engineering standards and reviewing code across products.
- Developed the TazminPlus account panel around complex escrow transaction states, emphasizing clear payment status, confirmations and failure handling.

Frontend Developer

Jun 2022 – Jul 2024

[Husan \(Smart Software Takin\)](#) · Tabriz, Iran

- Built real-time WebSocket chat and video consultation for [Neda \(admin panel\)](#) and [RoboV \(panel\)](#), deployed across Iran, Turkey and Iraq.
- Co-built an atomic design system for telemedicine, owning reusable organism-level components; shipped an installable PWA.
- Optimized Next.js SSR, lazy loading, image delivery and bundles to sustain 95–100 Lighthouse scores on client sites, including [husan.ir](#).
- Built [Decov](#), a bilingual e-commerce product with AI-assisted interior visualization, and a reusable FA/EN i18n package adopted by multilingual projects.

SELECTED OPEN-SOURCE PROJECTS

[ALIDADE](#) · [GitHub](#) / [Source](#) | Solo-built full-stack Web-GIS

Solo-built React / MapLibre / FastAPI / PostGIS platform with vector tiles, GIS editing, satellite imagery, 3D terrain models and live WebSocket tracking. Automated tests: 585 JavaScript + 70 Python.

[NILI DESIGN SYSTEM](#) · [Storybook](#) / [Components](#) | Independent library

Themeable, fully typed React/TypeScript component library built with Tailwind CSS, Storybook and unified design tokens; FA/EN support with RTL and LTR layouts.

TECHNICAL SKILLS

Frontend React.js · Next.js · TypeScript · JavaScript · React Native · Redux · Zustand · Tailwind CSS · Sass · Storybook · Jest · Cypress · PWA / i18n

Backend & Data Python · FastAPI · Django · REST APIs · gRPC / Protobuf · WebSockets · message brokers · PostgreSQL / PostGIS · Redis · MongoDB

AI, Video & GIS LLM integration · self-hosted models · WebRTC · LiveKit · MapLibre GL · Mapbox GL JS · GeoServer · GeoNetwork · Three.js

Delivery Docker · Nginx · CI/CD · Linux server administration · Git · code review · mentoring · Agile / Scrum · Jira

EDUCATION & LANGUAGES

B.Sc. Computer Engineering · University of Tabriz, Iran

Diploma in Mathematics & Physics · NODET / Sampad, Iran (selective national entrance exam)

Languages · English (professional working) · Persian (native) · Azerbaijani (native) · Turkish (conversational)