

Hossein Bajan

Senior Front-End Engineer • (+98) 915-585-9539

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SUMMARY

Senior Front-End Engineer (9+ years) specialized in Vue.js/Nuxt.js architecture for high-scale products. Built and led systems with high users, from real-time notification pipelines to offline-first PWAs. Currently architecting Bavexa, a Persian podcast platform, with layered service/repository patterns and Zod-validated data flows. Track record of mentoring teams of 12+ engineers and shipping complex admin panels and consumer apps end-to-end.

SKILLS

- **Frontend:** Vue.js, Nuxt.js, TypeScript, Angular, Tailwind CSS, PWA
- **Backend:** Node.js, Nest.js, Express.js, REST API, Redis, RabbitMQ
- **Database:** MySQL, MongoDB, Prisma, Sequelize
- **DevOps:** Docker, Docker Compose, Nginx, Gitlab CI/CD, Jenkins, Linux
- **Practices:** Agile/Scrum, Code Review, Team Mentoring, System Architecture

EXPERIENCES

LastSecond, Iran [Remote - Full-Time]

Senior Front-End Developer 06/2024 - Present

- Led front-end architecture for **Bavexa**, a Persian-language podcast PWA (Nuxt 4, Vue 3, TypeScript, Pinia, Tailwind v4, DaisyUI v5), designed to scale to Castbox-level user volumes.
- Redesigned the application around a layered **service → repository → composable → component** architecture with **Zod-based runtime validation** for all API boundaries, improving type-safety and reducing silent data-shape bugs.
- Built a full-featured audio player system with **HLS.js streaming**, offline downloads via IndexedDB, quality switching, sleep timer, and background playback progress tracking.
- Designed a multi-layered **offline-first strategy** including network health detection, cached repository reads, and a Service Worker (Workbox) setup for PWA reliability.
- Worked in close, ongoing dialogue with Product and Design, regularly pushing back on and refining requirements to align feasibility with user experience goals.
- Developed and maintained an admin panel for managing last-second tour listings (Bootstrap 5, SCSS).
- Mentored 2 developers and performed regular code reviews to enforce architecture and code-quality standards.
- Dockerized backend services locally to support admin panel development.

Aminsoft, Iran [Remote - Full-Time]

Technical Team Lead - Full Stack Developer 04/2020 - 05/2024

- Led full-stack development (Node.js/Nest.js/Express) for products serving 1M+ users, including a push notification system delivering a million daily notifications.

- Built admin panels from scratch for 4+ products (Ghadamyar, Tesla Manager, EasyKart, EasyFinex) using Angular, Vue.js, Nuxt.js, and Nest.js.
- Mentored 7+ junior developers and led resolution of system-wide technical issues.
- Set up CI/CD pipelines (GitLab, Jenkins) and Docker-based deployment; configured Portainer and Nginx Proxy Manager for the dev environment.

Malima, Iran [Remote - Part-Time]

Co Founder - Full Stack Developer 09/2020 - 12/2023

- Co-founded and built a platform automating website generation via GitLab Trigger Pipelines API, using Nest.js, Angular, GitLab CI/CD, PM2, and Nginx.
- Developed responsive, PWA-enabled front-ends for real estate client sites (Angular, Tailwind, NgRx, Google Maps/OpenStreetMap integration, page caching).
- Dockerized all projects across development and production environments.

RoydadOn, Iran [On-site - Full-time]

Front-End Developer 10/2016 - 11/2019

- - Contributed to admin panels and websites across tourism, e-commerce, and hospitality domains, using Vue.js, Vuex, and Nuxt.js.

PERSONAL PROJECTS & AI SYSTEMS

- Built a full-stack audio-to-subtitle tool: front-end for audio upload connected to a self-hosted Persian ASR pipeline (Whisper), generating downloadable SRT files with synced playback — [\[github\]](#)
- Self-hosted and containerized Persian ASR/TTS models (Whisper, VITS) on local GPU via Docker; explored RAG pipelines and AI agent architectures.
- Actively developing **Diana Panel**, an open-source Vue admin component library with typed DaisyUI-based components, consistent theming, and bilingual (Persian/English) support; built custom Claude Code skills to auto-generate Di-prefixed components from DaisyUI primitives, significantly accelerating component development — [\[github\]](#)

EDUCATIONS

Master's degree, Computer Software Engineering, Graduation Year (2018)

Bachelor's degree, Computer Science, Graduation Year (2014)