

Amirali Lotfi

Software Engineer | Full-Stack Developer

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SUMMARY

Full-Stack Software Engineer with **3+ years of production experience**, with growing hands-on depth in **backend development** and specializing in **frontend engineering**. Comfortable working across the stack – from building responsive, performant UIs to designing REST APIs, data models, and backend services with frameworks like **FastAPI**, **Express.js** and **NestJS**. Familiar with **system design principles**, **authentication flows**, and **database design**.

SKILLS

Languages: TypeScript, JavaScript (ES6+), Python

Backend & Systems

- **Frameworks:** FastAPI, NestJS, Express.js, Django
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis
- **ORMs & Query Builders:** Prisma, TypeORM, SQLAlchemy
- **API Design:** REST, GraphQL (Apollo/Relay), gRPC-web, tRPC, WebSockets, SSE, WebRTC

Frontend & UI

- **Frameworks:** React, Next.js (SSR/SSG/ISR), Vue.js (2 & 3), Nuxt.js, React Native
- **State Management:** Zustand, Redux (Toolkit/Saga), TanStack Query, Pinia, Context API
- **UI Systems:** shadcn/ui, MUI, Ant Design, Tailwind CSS, Styled Components, Sass
- **Visualization & Maps:** D3.js, ECharts, Recharts, Chart.js, Mapbox GL, Leaflet, Canvas API

Architecture & Design

- **System Design:** caching, load balancing, message queues, scalability, fault tolerance
- **Architectural Patterns:** microservices, event-driven, clean architecture, MVC/MVVM, micro-frontends
- **Common OOP and design patterns:** Factory, Observer, Strategy, Decorator, DI, etc.

Testing & Tooling

- **Testing:** Playwright, Cypress, Jest, Vitest, Pytest, React Testing Library
- **Build & CI/CD:** Vite, Webpack, Turborepo, Docker, GitHub Actions, GitLab CI, Nginx, Vercel

WORK EXPERIENCE

Front-end Developer at AbrNOC (*Internationally Cloudzy*)

Dubai – UAE | Aug 2025 – May 2026

Stack: React, Vue, TypeScript, Material UI, Redux, Zustand, React Query, Nx

- Maintained and optimized **legacy Vue 2** control panels serving **100,000+ active users**, supporting thousands of daily interactions across critical workflows.
- **Co-designed the architecture** for the **platform's full rewrite** – defining the **React/Nx monorepo** structure, shared state model, and **incremental migration** path off Vue 2.
- Shipped **shared component library** consumed by 4 apps in the monorepo; standardized UI across the platform and let feature teams skip 6+ hours of setup per task.

Software Engineer at Payam Pardaz (*Synta Startup Co-Founder*)

Isfahan - Iran | Oct 2023 - Aug 2025

Stack: FastAPI, MongoDB, LangGraph, React, Material UI, Redux

- **Built Founding Product Features:** As a member of the **founding team**, designed and developed the core features from scratch, taking the product **from 0 to MVP** in under 3 months.
- **Designed for Scale:** Contributed to **system architecture decisions** that transitioned the project from a **rapid prototype** to a production-ready environment capable of handling high-concurrency API requests.
- **Architected Multi-Step AI Reasoning:** Designed an **LLM-powered assistant** using Gemini and LangGraph, enabling the system to handle complex, multi-turn user requests with a **90%+ accuracy** rate in intent recognition.

Machine Learning Intern at Golrang System

Tehran – Iran | Summer 2024

Stack: Python, Pandas, NetworkX, PM4Py, FastAPI, MySQL

- **Identified and fixed a long-standing logic flaw** in the team's main process mining engine by **combining techniques** from several recent **research papers** into a hybrid approach.
- **Improved the accuracy** of process discovery on **real client data**, which the team credited as a contributing factor in a follow-on engagement with a major enterprise client.

Front-end Developer at ArioTech

Tehran – Iran | Mar 2023 – Oct 2023

Stack: React, Tailwind, Leaflet

- Partnered closely with the **Backend and Algorithm teams** to translate **high-dimensional data** into interactive **GIS-based maps**, enabling **real-time** visualization of **complex graph networks**.
- Streamlined the **rendering of large-scale datasets** on the frontend, improving **map load times by 40%** and ensuring a smooth user experience for data-heavy network analysis.

Front-end Developer at Nireeka

Toronto – Canada | Feb 2022 – Feb 2023

Stack: Next.js, Tailwind, Redux, Redux Saga

- Participated in **Vue to Next.js + TypeScript migration** of core pages; **SSR/SSG implementation** lifted **Lighthouse from 60 to 95**, cut LCP 35%, and drove 20% gain in organic traffic.
- Developed a **3D/Interactive Bike Configurator** from scratch, allowing users to **personalize parts in real-time**.
- Architected and launched **user forum** and **customer activity dashboard** for **10K+ monthly active user**, integrating backend microservices over **REST** and **WebSocket** to power **real-time activity feed**.

EDUCATION

Bachelor of Computer Engineering at University of Isfahan

2021 - 2025

Software Engineering and Artificial Intelligence Track

Average: 17.6 / 20 (Top 5%)

LANGUAGES

- English (Professional Working Proficiency)
- Persian (Native)