

Amir Mahdi Zarei Nejad

Software Engineer

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SUMMARY

Software engineer specializing in **TypeScript**, React, and Next.js, with professional experience building and shipping production web and mobile applications. Strong frontend engineering background, with hands-on experience in architecture, real-time systems, and application state management. Currently expanding into broader software engineering through backend and systems-focused projects.

EXPERIENCE

Frontend Engineer (Contract)

Aug 2025 – Jan 2026

MelkPro

Remote

- Built the **B2B** mobile app **Melkbot** (**Expo**/React Native), an AI-powered real estate assistant for agents, live in production on **Cafe Bazaar**, Iran's largest Android app store.
- Built the **B2C** customer-facing website using **Next.js 15** and **React**.
- Designed and implemented the architecture for a real-time notification system using **WebSockets** and **Pusher**, enabling instant updates across the platform.
- Architected frontend data management with **TanStack Query** and **Zustand**, reducing redundant API calls and re-renders for improved scalability and maintainability.
- Used **Cursor** and **OpenAI Codex** daily as part of an agentic coding workflow to accelerate feature development, reviewing and validating all AI-generated code before merge.

Frontend Developer

Feb 2025 – Apr 2025

Codinooob

Tehran, Iran

- Delivered end-to-end frontend development for **2 production client projects**, collaborating closely with backend developers and designers to ship features using **React**, **Next.js**, and **TypeScript**.
- Built a **Progressive Web App (PWA)** with **Next.js**, providing an installable, app-like user experience.
- Integrated REST APIs using **Redux Toolkit** and **RTK Query**, implementing efficient client-side caching and asynchronous state management.

Frontend Developer

Jan 2024 – Nov 2024

Nilasoft

Remote

- Modernized Angular applications by migrating to **Angular Signals**, improving rendering performance and maintainability.
- Enhanced accessibility and mobile responsiveness across high-traffic landing pages, improving Lighthouse accessibility scores.
- Integrated interactive maps with **Leaflet** and contributed to team coding standards via code review.

INDEPENDENT PROJECTS (2026 – Present)

Weeto | Next.js, TypeScript, Go, PostgreSQL, Docker, sqlc, Nginx

2026

- Developed a **scheduling conflict engine** that prevents overlapping bookings, with timezone-aware windows and configurable buffer times.
- Architected backend in **Go** with **pgxpool**, **sqlc** (type-safe SQL), and **goose** migrations; deployed via **Docker** and **Nginx** with HTTPS.
- Built an **async email worker** with **Resend** for reliable delivery of transactional emails (confirmations, reminders, cancellations), with retry logic for failed sends.

Endpoint Forge | Next.js, TypeScript, NestJS, PostgreSQL, Drizzle ORM, Docker

2026

- Co-developed an **open-source mock API workbench** in a 3-person team, letting frontend teams build and test against realistic endpoints without waiting on backend availability.
- Built end-to-end with **Next.js** (frontend) and **NestJS** (backend), using **Drizzle ORM** for type-safe database operations; containerized and deployed with **Docker**.
- Implemented **tenant-based routing** for multi-user workspaces and a bilingual landing page with reusable component architecture.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, Go

Frontend: React, Next.js (App Router, PPR, Cache Components), React Native, Expo, Tailwind CSS, HTML5, Zustand, TanStack Query, Redux Toolkit, shadcn/ui, Radix UI, NativeWind

Backend: Node.js, Express, REST APIs, Prisma

Databases: PostgreSQL

Agentic AI: Claude Code, Cursor, OpenAI Codex, multi-agent orchestration, LLM tool-use & agent architecture

Testing: Jest, Cypress

Tools: Git, Docker, Linux, Nginx, Chrome DevTools, Lighthouse

EDUCATION

Azad University

Bachelor of Science in Computer Science

Karaj, Iran

2023 – Present