

Mohsen Mirzaei

Full-Stack Engineer · TypeScript / React / Node.js

mohsn.mirzaei@gmail.com · +98 913 428 2775 · Isfahan, Iran · Open to Relocation (EU) & Remote

mohsenmirzaei.com · github.com/mohsn-mirzaei · linkedin.com/in/mohsenmirzaei

Full-stack engineer with 4+ years building production web applications across fintech, crypto exchange, and AI SaaS. TypeScript across the stack — React/Next.js frontends and Node.js/Fastify/PostgreSQL services — with experience building real-time systems and RAG-powered applications. Strong ownership from architecture to production: testing, CI/CD, and observability.

SKILLS

Languages: TypeScript, JavaScript (ES2022+), SQL, Go (familiar)

Frontend: React 19, Next.js 15, TanStack Query/Router, Zustand, Tailwind CSS, Radix UI, Storybook

Backend & Data: Node.js, Fastify, PostgreSQL, Prisma, Redis, pgvector, WebSocket, BullMQ, Zod

Architecture & Quality: Feature-Sliced Design, Monorepo (Turborepo/pnpm), Vitest, MSW, Docker, CI/CD

AI & Observability: Vercel AI SDK, OpenAI SDK, RAG, OpenTelemetry, Prometheus, Loki

EXPERIENCE

Full-Stack Engineer Restaurant Reservation Platform (US Client) · Freelance, Part-Time · Remote Sep 2025 – Present

- Unified 3 booking channels into a 4-app monorepo with 21 customer/admin screens, replacing phone-based intake with self-service flows.
- Designed the reservation core — an 8-state lifecycle with transactional slot locking — preventing double-bookings and invalid transitions.
- Enforced single-source API contracts via 77 shared Zod schemas; **72 automated tests** cover auth, booking, and audit paths.
- Set up async BullMQ notifications (Twilio/Resend) off the HTTP path and a 9-service observability stack (OTEL, Prometheus, Loki), targeting p95 <500 ms.

Senior Frontend Engineer RcoinX — Crypto Exchange · Remote Aug 2025 – Apr 2026

- Architected the frontend platform from scratch — Turborepo monorepo (8 shared packages), Feature-Sliced Design with strict import boundaries — authoring **61% of all commits** in a 3-engineer team.
- Delivered Spot Trading end-to-end: order book, charts, order management — 9 REST + 3 WebSocket streams.
- Built a centralized WebSocket layer — ref-counted subscriptions, auto-reconnect, 200–300 ms throttled cache patching — for market data.
- Shipped Account & Security (TOTP, WebAuthn, MFA-gated flows) and cross-feature public APIs, enabling a second engineer to deliver the Assets module in parallel.
- Delivered a pixel-perfect Storybook component library (RTL/LTR) and introduced Vitest + MSW testing in a multi-stage Docker CI pipeline.
- Onboarded and mentored a junior engineer on the conventions I defined, contributing to team-wide code reviews.

Frontend Engineer Isopoll — B2B SaaS Platform · Remote Apr 2025 – Jul 2025

- Engineered a 35K+ LOC, 41-page Next.js enterprise platform (6 business modules, fully RTL Persian) in 4 months.
- Structured the data layer (85 React Query hooks, 86 typed services, 18 API domains), cutting new-endpoint work to one hook.
- Standardized 23+ production forms on 41+ Zod schemas, with hybrid SSR + tag-based revalidation in 31+ modules.

Frontend Engineer Propx — Hedge Fund Platform · Freelance, Part-Time · Remote Apr 2025 – Jul 2025

- Developed an 11-step KYC wizard — in-browser ID capture and video recording — completed in a single web session.
- Delivered 18 role-gated screens (public/user/super-admin) integrating 36 REST endpoints via 30 typed hooks.
- Implemented a bilingual EN/FA interface — ~1,700 localized strings, 6 Zod-validated forms — sharing validation across auth, KYC, and ticket flows.

Co-Founder & Full-Stack Engineer Chatomatic — AI Assistant SaaS · Remote Oct 2024 – Mar 2025

- Co-founded and launched an AI assistant SaaS to 100+ users; **rebuilt it end-to-end solo** in 2026 (~25K LOC: dashboard, playground, Shadow-DOM embed).
- Built a greenfield Fastify API — 7 modules, 27 Result-typed use-cases, 11 tables — with public embed routes and per-assistant OpenAI/Ollama routing.
- Designed 2-phase streaming chat (pgvector top-5 retrieval → token stream → post-stream citation persist), keeping attribution off the wire.
- Implemented hybrid RAG: IVFFlat top-5 retrieval with full-context fallback, inline numbered citations, and a 5-format ingestion pipeline (PDF, DOCX, XLSX, TXT, MD).

Full-Stack Engineer IT Barbod · On-Site, Isfahan

Feb 2024 – Sep 2024

- Led frontend delivery across 3 products, including a drag-and-drop app builder letting non-technical teams ship React Native screens without engineering — cutting screen delivery **from multi-day dev cycles to hours**.
- Architected an RTL-first Markdown editor on Monaco with 24+ authoring commands.
- Created a schema-driven UI system (Draft → Merge → Publish → Rollback lifecycle) and a form builder with 11 field types on Next.js, Prisma, and PostgreSQL.

Frontend Engineer HeidaryHa — Mobile Banking PWA · Contract

2023 – 2024

- Launched a production mobile-banking PWA serving 14,000+ customers, building its authentication and transaction flows.
- Contributed to a **40% increase in monthly loan applications**, shipping PWA + Android from a single React/TypeScript codebase.

Software Engineer Motion Desk — Motion Design Studio

2021 – 2023

- Shipped 2 commercial cross-platform After Effects (CEP) extensions on aescripts.com — **3,000+ downloads, 1,000+ sales**.

EDUCATION & LANGUAGES

Islamic Azad University B.Sc. Software Engineering

Expected Dec 2026

English (Professional) · Persian (Native)