Kiarash Ahmadi

Full-Stack Developer · TypeScript · React · Next.js · Node.js

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Tehran · born 26 Aug 2003 (23)

Website **the-ninja.ir** GitHub **github.com/0H0-I-0M** Instagram **@kiyarash_82** Availability **on-site or remote**

PROFILE

Self-taught full-stack developer, writing software since a young age. On my own, I designed, built and run the financial system of a pharmacy group, in daily production use for more than two years: **Safa Hesab** (web and Android) for the branches' daily records, **Mizan** (Windows) for double-entry accounting, and an integration API that never posts an entry twice. I know accounting and pharmacy operations first-hand, and I take products from design through deployment, operations and support.

EXPERIENCE

Full-Stack Developer & IT Lead

2 years · to date

Pharmacy group · Tehran

- **Designed, built and maintain Safa Hesab** (web + Android, v9): daily ledger, cash, cheques, warehouse and staff attendance, used every day across the branches. 72 API endpoints, 53 additive database migrations, 224 automated tests. Next.js 16 · React 19 · TypeScript · Drizzle ORM · PWA · Web Push
- **Built Mizan** (Windows, v1.18), a double-entry accounting application that replaced the legacy Rafe software. Electron · React · TypeScript · SQLite · Zustand
- **Migrated years of accounting history out of Rafe** by writing a reader for its Paradox tables and .bck backups, including the legacy "Iran System" Persian code page. Dry run first, then a single all-or-nothing transaction.
- **Designed the idempotent integration API** between Safa Hesab and Mizan: versioned contract, stable IDs and cursor sync, so a retry after a dropped connection never posts twice. Mapping rules derived from 155 real vouchers.
- **Secured and operated the platform:** password, SMS OTP and passkey (WebAuthn) sign-in; role-based access enforced on the server; audit log; nightly SHA-256-verified backups to object storage; Docker and Nginx on Linux.
- **Building Daroban**, a pharmacy point-of-sale to replace Imen-Afzar. Wrote a read-only converter from its SQL Server database (31,585 products, 31,626 barcodes incl. GS1), LAN server discovery over UDP and expiry-first (FEFO) stock. Electron · React · TypeScript · Node.js 22 · node:sqlite
- Also responsible for the group's accounting, network, hardware and user support.

Independent Developer

Alongside · freelance

- **Delivered an online store and prescription upload** for Ghahramani Pharmacy; prescriptions encrypted with AES-256-GCM, database never exposed publicly. React · Fastify · PostgreSQL · Docker · Caddy
- **Building JanMana**, my own product: medicine ordering from the nearest pharmacy with per-pharmacy stock, service radius and pharmacist review. React 19 · Cloudflare · Expo / React Native
- **Built Tunekade**, a 3D car configurator in the browser with pricing and install booking. Live demo: the-ninja.ir/work/tunekade JavaScript · WebGL
- **Designed and built websites** for a tattoo studio (gallery, SMS booking, admin panel), a barbershop, a printer shop and service centre, and Jasmin Pharmacy (WordPress, WooCommerce).
- **Side projects:** Neyvori, an offline Persian assistant for Android; Didban, a paper-trading dashboard with risk controls and backtesting. Kotlin · SQLite · Node.js · Python

Pharmacy Staff

1 year · before

- Sales, cash desk and inventory: first-hand knowledge of the workflows I later built software for.

SKILLS

Frontend	React 19, Next.js 16, TypeScript, Tailwind CSS, shadcn/ui, PWA, Web Push, WebGL, WordPress, RTL UI
Backend	Node.js, Fastify, REST APIs, Cloudflare Workers, webhooks and bots, WebAuthn, SMS OTP, RBAC, Python
Data	PostgreSQL, SQLite, SQL Server, Drizzle ORM, data migration, Cloudflare D1 / R2, S3, AES-256-GCM
Apps	Electron (Windows), Android (Kotlin), React Native (Expo)
Operations	Linux, Docker, Nginx, Caddy, systemd, Cloudflare, SSL / DNS, Git
Domain	Accounting, POS and cash handling, pharmacy workflows, graphic design, automated testing, IT support

EDUCATION

Academic	High-school diploma in Graphic Design
Courses	Arzhang Institute
Programming	Self-taught from a young age, through real projects