Mahmoud Omiesh

mahmoud.a.omiesh@gmail.com | mahmoudomiesh.vercel.app | github.com/MahmoudOmiesh

Experience

Full Stack Developer, FirstImpact Med, USA (Remote) Mar 2026 – Present

- One of two main developers on a telemedicine platform that gets injury patients from an AI intake chat to a doctor-signed report in 24 hours instead of a few days (TanStack Start, tRPC, Drizzle, Inngest)
- Built the doctor portal where doctors edit and sign the note the AI drafted from the intake instead of writing it from scratch, and wrote most of the Python plugin that files it in the clinic's EHR
- Built the lien billing system that tracks what law firms owe from the doctor's signature to settlement months later, designed to replace the billing team's spreadsheet with scheduled follow-ups and a ledger
- Built the law firm portal, where firms invite patients with a link and an ID scan, open their cases, and follow each report and lien themselves instead of waiting to hear from the clinic
- Built an AI tool in one month that checks visit notes before doctors sign them, now used by the medical assistants and doctors of a clinic with 30+ providers and about 3,000 visits a month
- Built a release gate for the AI review rules, so each saved version must pass evals for missed findings, false alarms, and invented quotes before it replaces the live one
- Built monthly AI reports that audit 10% of each doctor's signed notes and track their repeated mistakes as new, persisting, or improving, so the clinic can see how each doctor's notes change over time

Frontend Developer (Part-time), Logibytes, Saudi Arabia (Remote) Feb 2026 – Present

- Sole frontend developer of an Arabic and English fleet portal for drivers, vehicles, inspections, live tracking, and approvals, built in about 3 months. A 60-truck client is piloting it to replace paper
- Built a live fleet map and a day replay that splits each truck's GPS history into drives and stops
- Built most of the merchant portal frontend, where stores connect Zid or Salla through OAuth, book shipments in a 6-step form with live rates, and buy shipping credit

Full Stack Intern, Sputnik Academy, Egypt (Remote) Mar 2025 – Aug 2025

- Built the cart, coupons, and Paymob checkout for a course platform in a team of 4, pricing orders on the server and granting access only after a verified payment callback
- Integrated Mux video streaming with signed playback tokens and per-lesson progress tracking

Projects

Inscribe inscribe-notes.vercel.app | source

- Built a local-first Next.js note app that saves each edit with its pending sync operation in one IndexedDB transaction, so offline edits upload when the connection returns
- Wrote its rich text editor without an editor library. It intercepts browser input and applies 20 edit types as transactions, with a cleanup pass that keeps nested lists valid

Skills

Languages: TypeScript, JavaScript, Python, Go, C++, SQL
Web: React, Next.js, TanStack Start, TanStack Query, Tailwind CSS, i18next
Backend: Node.js, PostgreSQL, tRPC, Hono, Drizzle, Prisma, Redis, Inngest, OpenTelemetry, Sentry
AI: Claude API, Vercel AI SDK, Pinecone

Education

Tanta University – Bachelor of Computer Science Expected June 2027
Ranked first in class GPA 3.82/4.00