

Mohamad Hage Chehade

AI Product Engineer

mohamadhagechehade@gmail.com • [\(+961\) 81 915 138](tel:+96181915138) • [LinkedIn](#) • [GitHub](#) • Beirut, Lebanon

SUMMARY

AI Product Engineer. Builds scalable, production grade software with **TypeScript, Next.js, NestJS, Python, and PostgreSQL**. Directs **Claude Code** through implementation to ship faster, while architecture, evals, and guardrails stay owned and reviewed directly.

EXPERIENCE

Freelance Software Developer

June 2026 - August 2026

- Built and deployed restaurant web apps for three clients, including **roofbites.com** and **PastaByJana.com**: Supabase admin panels where each owner manages their own menu, reorders items by drag and drop, and sets up offers and bundles.
- Built a **WhatsApp-integrated cart** so orders arrive where the restaurant already works, and shipped on Cloudflare Pages. Kept iterating after launch as menus and offers changed.

Software Engineering Intern, TopCoders

August 2025 - October 2025

- Shipped backend and frontend features across several sprints in an **Agile** team, reviewing code and having mine reviewed.
- Tracked down slow **API endpoints and database queries** flagged by production monitoring and fixed them.
- Ran my own tests and deploys through **Git and CI/CD** before handing work off.

PROJECTS

ComplyDesk: Multi-Tenant Compliance SaaS [ComplyDesk](#)

August 2026 - September 2026

- Built and shipped a **SOC 2 / ISO 27001** compliance product on NestJS, Next.js, and PostgreSQL, covering an 18-control framework. A public demo tenant is live, no signup needed.
- Added **AI policy gap analysis that cites its sources** and **evidence auto-classification** on upload. Vision work goes to Gemini and text to Groq, both behind one provider interface.
- Isolated tenants with **Postgres Row-Level Security** at the database layer. The app runs as a locked-down role separate from the table owner, so a bug in application code can't leak one company's data to another.
- About **30 adversarial tests** try to break that boundary: cross-tenant SELECT, UPDATE, and DELETE, forged INSERTs, and queries with no tenant filter at all. None of them get through.
- Subdomain-per-tenant routing** on wildcard DNS, **RBAC** across Owner, Admin, Contributor, and Auditor, and an audit log entry on every change. Runs on Vercel, Render, and Neon.

Hakim: Arabic Medical Triage AI Agent [Hakim](#)

March 2026

- Triages symptoms typed in **Lebanese Arabic or Franco-Arab** using a **RAG pipeline** (FastAPI, ChromaDB, Gemini) behind a React front end.
- The agent extracts, retrieves, and classifies, then a **safety check** blocks diagnosis claims and escalates emergencies before anything reaches the user.
- A **50-scenario eval suite** gates every release in CI, and I watch latency, cost per call, and error rate in production.

Revex: AI Code Review GitHub App [Revex](#)

March 2026

- Reviews pull requests without anyone triggering it: parses the diff, runs **23 custom Semgrep rules**, asks an LLM, and posts comments back on the PR.
- Keeps large PRs inside **token limits** by ranking files by risk and trimming diffs to the changed functions. A **30-case harness** with planted bugs measures detection accuracy on every change.

CORSA: Automotive Marketplace [Corsa](#)

September 2025 - October 2025

- Full-stack marketplace in **Next.js, React, and TypeScript** for 5 user roles, with row-level security across 12 tables, **AI recommendations** over live listings, and real-time messaging over WebSockets.

EDUCATION

Beirut Arab University, B.S. Computer Science

September 2023 - July 2026

COMPETITIONS

- XTND Coding Competition, 2nd Place** | AUF Moyen-Orient
- League of Logics, 5th Place**
- Lebanese Universities CTF** | Lebanon's largest CTF cybersecurity competition

April 2024

August 2024

June 2025

SKILLS

AI Product: LLM integration (Gemini, Groq), RAG, agent workflows, prompt engineering, evals and guardrails, token and cost management

AI-Native Development: Claude Code (plugins, MCP servers, custom agents and subagents), Cursor, agentic coding workflows

Full Stack: TypeScript, JavaScript, Next.js, React, NestJS, Python, FastAPI

Data and Security: PostgreSQL, Row-Level Security, multi-tenant architecture, RBAC, JWT, OAuth, Supabase

Tools: Git, Docker, GitHub Actions, CI/CD, Vercel, Render, Neon, Cloudflare

Languages: Arabic (native), English (fluent), French (intermediate)