

Rabih Al Houssein

Senior Full-Stack Engineer

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Senior full-stack engineer delivering AI-powered software from design through production. Builds across frontend, backend, and Google Cloud, with a record of improving performance, reliability, and security.

PROFESSIONAL EXPERIENCE

Booma AI | Germany · Remote · Nov 2024 – Present

Senior Software Engineer · Jan 2026 – Present

Full-Stack Developer · Nov 2024 – Dec 2025

- Owned end-to-end delivery across frontend, backend, cloud functions, and infrastructure, helping engineering teams analyze RFPs **over 5x** faster.
- Built and benchmarked semantic retrieval with embeddings and Qdrant, and developed Claude-powered reasoning with structured outputs.
- Introduced Langfuse evaluation and observability to monitor LLM feature quality in production.
- Redesigned API response handling across services to remove a platform-wide payload size limit.
- Resolved recurring LLM request timeouts and moved real-time updates from polling to SSE, reducing server load and update latency.
- Closed a critical unauthenticated database-access exposure across development, staging, and production.
- Owned Google Cloud environments, Secret Manager, and schema migrations; automated GKE and Cloud Run deployments with CI/CD, monitoring, and zero-downtime rollouts.
- Built a cross-repository Playwright framework to catch regressions across QA, frontend, and backend before production.

CredX | Saudi Arabia · Jan 2026 – Jun 2026

Full-Stack Developer

6-month part-time contract

- Delivered Angular and .NET features for a Saudi private-credit platform.
- Built AI data-extraction workflows and evaluated extraction quality using Langfuse.

Docclik | Canada · Remote · Nov 2024 – May 2025

Full-Stack Developer

6-month part-time contract

- Built healthcare dashboards and real-time messaging with Twilio using Next.js, Express.js, and MySQL; resolved critical bugs and improved application performance.

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PROFESSIONAL EXPERIENCE · CONTINUED

JobDiva | USA · May 2024 – Nov 2024

Software Engineer

- Led the frontend migration from JSP to Next.js and built reusable Storybook components, integrating backend APIs and collaborating with UI/UX designers.
- Set up Docker Swarm and Nginx infrastructure with frontend CI/CD pipelines; reviewed code and mentored junior developers.

TVLeb | Lebanon · Remote · May 2023 – Oct 2023

Full-Stack Developer · Part-time

- Built a MERN subscription platform serving **10,000+** customers, with tools for admins, employees, and dealers.
- Integrated WhatsApp messaging and deployed on AWS EC2; improved purchasing workflows, helping increase purchases by **over 50%**.

Nasco Insurance Group | Beirut, Lebanon · Hybrid · May 2022 – Apr 2024

Software Engineer · Aug 2022 – Apr 2024

Full-Stack Developer Intern · May 2022 – Aug 2022

- Built insurance applications with Node.js, Express.js, React, Next.js, and MongoDB; partnered with designers on reusable interfaces and documented APIs with Swagger.
- Implemented multi-tenant Strapi websites and adapted application layouts for Arabic users during the internship.

TECHNICAL SKILLS

Languages & frontend: TypeScript, JavaScript, Python, C#, SQL, React, Next.js, Angular, Tailwind CSS

Backend & data: Node.js, NestJS, Express.js, FastAPI, .NET, PostgreSQL, MongoDB, REST, GraphQL

AI & evaluation: LLMs, Claude, embeddings, semantic search, Qdrant, Langfuse

Cloud & delivery: GCP (GKE, Cloud Run, Secret Manager), AWS EC2, Docker, Kubernetes, CI/CD, Playwright

EDUCATION & TRAINING

Lebanese University · Bachelor's degree in Mechanical Engineering · 2022

Renewable Energy focus · GPA: 3.63/4

Codi Tech · Full-Stack Web Development Bootcamp · Sep 2021 – Aug 2022

LANGUAGES

Arabic: Native · English: Fluent · French: Intermediate