

# Rami Al Osman

AI Systems Engineer / Full-Stack Developer

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## SUMMARY

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Software engineer building AI features into production — RAG systems with LangChain, Langfuse, and TypeScript — across two years on the Next.js stack. Shipped e-commerce storefronts and B2B order workflows for orthodontic labs, hearing-aid distributors, and clinics at Remote Digital, and built independent freelance products including an AI career-guidance platform and a fully integrated e-commerce store. Now a Full-Stack Developer at Tedmob. Daily agentic developer using Claude Code.

## EXPERIENCE

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**Tedmob — Full-Stack Developer** May 2026 — Present · Beirut, Lebanon

*Digital product and software agency.*

- Full-stack development across client products on the Next.js / Nest.js / Typescript stack.

**Remote Digital — Software Engineer** Aug 2024 — May 2026 · Beirut, Lebanon

*Healthcare supply platform connecting orthodontic labs, hearing-aid distributors, and clinics — e-commerce storefront plus a B2B order-workflow platform between manufacturers and labs.*

### 2026 — Applied AI & RAG

- Shipped RAG features in production with LangChain and TypeScript — retrieval pipelines, tool use, and structured generation wired into the existing platform.
- Langfuse for production observability: tracing, evals, and prompt iteration backed by golden sets and regression checks before shipping prompt or model changes.
- Tuned chunking, embedding, and retrieval to the domain — domain-aware splits, reranking, and structured outputs at the LLM↔system boundary.
- Production-minded with AI: smallest model that solves the problem, deterministic logic where the LLM doesn't add value.

### 2024 — 2025 — Platform & Full-Stack

- Designed and shipped a user-configurable analytics dashboard — end users build their own tables, charts, and queries against platform data; layouts persist and are import/exportable as JSON (a lightweight self-serve BI surface).
- Integrated an in-browser STL viewer for 3D dental and prosthetic models directly into the Next.js app — integration, embedding, and lifecycle.
- Migrated the web app to a PWA with installable offline support and push notifications — service worker lifecycle, manifest, and notification permission flows.
- Built an earlier OpenAI-powered analytics pipeline for system-prompt-driven extraction of operational insights, later superseded by the LangChain/Langfuse work above.

**Independent Freelance — Full-Stack / AI Developer** 2025 — Present

*Client and independent product builds, end to end.*

- **bousala.app** — educational AI platform that guides students toward a career path using the RIASEC model; AI-driven assessment and recommendation flow.
- **iconlocker.store** — Next.js e-commerce store with Facebook/Meta integrations, PostHog product analytics, and WhatsApp Business API for customer messaging and order flows.

## SELECTED PRODUCTS

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- **Healthcare Supply Platform (Remote Digital)** — RAG-powered B2B order workflow + e-commerce storefront for labs, distributors, and clinics.
- [remotedigital.store](https://remotedigital.store) — E-commerce storefront on the Next.js stack.
- [remotedigital.org](https://remotedigital.org) — Platform web property on the Next.js stack.

- [bousala.app](#) — AI career-guidance platform for students (RIASEC). Freelance.
- [iconlocker.store](#) — Next.js e-commerce with Meta integrations, PostHog, and WhatsApp Business API. Freelance.

## ENGINEERING APPROACH

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- Daily Claude Code user with a deliberate agentic workflow: discuss → plan → verify → execute → test, supported by custom skills and MCP servers when the task demands them.
- Evaluation-first with AI: golden sets and regression checks before shipping prompt or model changes; Langfuse traces in production to catch drift.
- Pragmatic full-stack: comfortable across the Next.js application surface — server components, API routes, auth flows, file pipelines, PWA lifecycle.
- Reuse-first instinct (DRY): before building, I look for what already exists and what can be abstracted. Recently extended this to agentic tooling, authored custom Claude Code skills backed by shared templates and references, delivered as reusable assets across teams rather than one-off prompts.

## STACK

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**AI / LLM** LangChain, Langfuse, RAG (chunking, embeddings, retrieval, reranking), evals & tracing, OpenAI API, Claude API, structured outputs, prompt engineering.

**Languages** TypeScript, JavaScript, SQL.

**Frontend** Next.js, React, shadcn/ui, Tailwind CSS.

**Backend** Node.js, Next.js API routes. Express JS, Nest JS.

**Integrations** Meta / Facebook APIs, WhatsApp Business API, PostHog analytics.

**Infra** AWS S3, Vercel. PWA, service workers, push notifications.

**Tooling** Claude Code (agentic), Git, Jira.

## EDUCATION

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**Antonine University — B.S. Computer Science** Graduating Fall 2026

## LANGUAGES

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Arabic (native) · English (fluent, professional) · French (basic)

*Confidentiality clauses prevent sharing internal Remote Digital code; happy to walk through architecture, decisions, and tradeoffs verbally or on a whiteboard.*