

OMAR LEKOUCH

Senior Full Stack Engineer · Building production AI-powered products (RAG, LLM)

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SUMMARY

Senior Full Stack Engineer with 9+ years shipping production web platforms for European and US companies. Recently specialized in AI engineering — RAG, LLM integration, and semantic search — shipped in real products like Coffee AI. Strong across TypeScript, React, Next.js, and Node.js, focused on reliable software that works in production. Fluent in French and English. Open to full-time roles and long-term contracts, available immediately.

TECHNICAL SKILLS

AI / LLM RAG, semantic search, embeddings (OpenAI), Anthropic Claude API, prompt engineering, MCP, pgvector

Frontend React, Next.js (App Router), TypeScript, Redux, Tailwind CSS

Backend / APIs Node.js, REST API design, Laravel, Prisma

Database PostgreSQL, pgvector, Supabase, MySQL, MongoDB

DevOps Docker, Vercel, DigitalOcean, GitHub CI/CD

SELECTED WORK

Coffee AI — RAG-powered coffee shop finder

Live product · Next.js, Supabase, pgvector, OpenAI, Anthropic Claude

A conversational search tool: users ask in plain language (“a quiet spot with good wifi in Gueliz”) and get back relevant coffee shops, not keyword matches. Coffee shop data is embedded with OpenAI and stored in Postgres via pgvector; each query is embedded and matched against that index with semantic similarity search, and the retrieved results are passed to Anthropic’s Claude to generate a direct, conversational answer — a full retrieval-augmented generation pipeline, not a thin wrapper around a single API call.

Contract & billing platform — French energy company

Freelance · 2024–Present · React, Next.js, Node.js, Prisma, PostgreSQL, Docker

Built the core contract creation flows and customer-facing dashboards, then automated billing by integrating three external systems: Haulogy (energy contract data), Enedis (electricity delivery point retrieval), and Pennylane (accounting synchronization) — replacing manual data entry between them with direct API integrations.

EXPERIENCE

Senior React & Next.js Engineer — Freelance

European Energy-Tech Company · Remote · 2024–Present

Contract creation flows, customer dashboards, and billing automation for a French energy company, integrating Haulogy, Enedis, and Pennylane.

React Developer

Interlincx · Los Angeles, CA · 2021–2024

Built form builders and client templates for content editors producing monetizable articles; worked directly with the engineering team to extend the Netlify CMS.

Full Stack Developer

Mobiletice · Geneva, Switzerland · 2020–2022

Built a large e-learning platform with SSO authentication and real-time features via web sockets, using Laravel and React.

Full Stack Developer

Sagatech · Meknes, Morocco · 2019–2020

Built payment gateway and barcode scanner integrations on a SQL Server backend, then rebuilt the product as a cloud version using Laravel, React/Node, and MySQL.

Full Stack Developer

IN4 · Meknes, Morocco · 2018–2019

Built multiple e-commerce websites, each with client-specific requirements, using Laravel.

EDUCATION & LANGUAGES

Engineer's Degree — Computer Science, Sup MTI, Morocco (2017–2020)

Arabic (Native) · French (Fluent) · English (Fluent)