

Abdelghani Hammoud

Full-Stack Software Engineer — Web, AI & Systems

Next.js • TypeScript • Node.js • PostgreSQL • C/C++ & Linux

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Professional Summary

Full-stack software engineer who designs, builds, and operates end-to-end e-commerce platforms: Next.js/React/TypeScript front-end, Node.js/Express back-end with PostgreSQL/WooCommerce, AI integration (OpenAI, Gemini) for content and images, and containerized deployment (Docker, Vercel, Cloudflare). Strong C/C++ systems fundamentals from 42 Madrid; comfortable working in English on international teams.

Technical Skills

Frontend: Next.js (App Router), React, TypeScript, Tailwind CSS, next-intl (i18n / RTL), SSR, SEO

Backend & APIs: Node.js, Express, REST APIs, OAuth 2.0, JWT, WordPress/WooCommerce, Stripe

AI & Data: OpenAI, Google GenAI (Gemini), content and image generation, Python (Pandas, NumPy), ETL, n8n

Systems & Low-Level (C/C++): Unix/Linux systems programming, memory management, concurrency and multithreading, processes and signals, sockets, algorithms

DevOps & Infrastructure: Docker, CI/CD (GitHub Actions), Vercel, Cloudflare (Workers/KV), Nginx, TrueNAS, Git

Databases: PostgreSQL, MySQL/MariaDB, Redis

Professional Experience

Founder & Full-Stack Software Engineer

2017 - 2025

WeBerber — Moroccan rug e-commerce business (Morocco / Remote)

Sole engineer for the company's e-commerce stack and internal tooling across two production platforms.

Moroccan Carpet — headless e-commerce store (moroccan-carpet.com)

Stack: Next.js 16, React 19, TypeScript, Tailwind v4, WooCommerce, Stripe, Vercel / Cloudflare

- Built a multilingual storefront (8 languages, full Arabic RTL) with localized routing, an OpenAI translation pipeline, and SEO (sitemaps, hreflang, JSON-LD).
- Built Stripe checkout with Apple/Google Pay, server-side price verification, and coupons.
- Built multichannel abandoned-cart recovery (web push plus email funnel) and ran product-page CRO.

WeberberX — inventory management and multi-marketplace publishing

Stack: Next.js 15, TypeScript, Express / Node 24, PostgreSQL 15, Docker Compose, TrueNAS

- Integrated Etsy and WooCommerce (OAuth 2.0, listing/taxonomy management, multipart uploads, resilient inventory sync).
- Built an AI pipeline generating product copy and images (OpenAI / Gemini) as background jobs; JWT auth, sales tracking, QR codes, PDF export.
- Ran the Linux production backend (Docker, PostgreSQL/MariaDB, Redis, Nginx) and tuned performance with CDN caching and Varnish.
- Built multi-source ETL pipelines and AI automations (n8n, Python) for data, content, and analytics.

Education

Software Engineering — 42 Madrid — Fundación Telefónica

2021 - 2025

Completed the program — Common Core plus advanced track, with specializations in Data, Algorithms & AI.

Entrepreneurship Specialization — ESCP Business School

2024

Intensive program in venture creation — business modeling, fundraising, and go-to-market strategy, applied directly to scaling WeBerber.

Engineering Degree — Sound Engineering — ESAV Marrakech

2015 - 2018

Music recording, mixing, and production, plus post-production sound for film.

Languages

Spanish (fluent) • English (fluent) • French (fluent) • Arabic (native)