

Hamza Lachehab El Hilali

Senior Full-Stack Engineer · AI / LLM Integration · Streaming & Payments

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Remote · UTC+1 (full overlap with UK/EU, mornings with US-East) · Open to EOR / contract · English & French fluent · Tangier, Morocco

SUMMARY

Full-stack engineer with 6+ years building for the web, shipping production web, mobile, and AI products end-to-end. Lead engineer on a live-streaming platform serving **80,000+ users and 18,000+ paying subscribers** on AWS. I design the schema, build the TypeScript/Node + Next.js/React system, wire payments, ship LLM features into real products (Claude, GPT-4o, Gemini), and own the AWS/CI deploy and on-call. Comfortable owning a product from blank repo to production and operating it under load. Remote-first, async-strong, fluent in English and French.

SKILLS

Languages: TypeScript, JavaScript, Python, PHP, Dart, Swift, SQL, HTML, CSS

Frontend: React, Next.js, React Native, SwiftUI, Tailwind CSS, Redux, shadcn/ui, Three.js

Backend: Node.js, Express, Fastify, Django, Laravel, REST APIs, WebSockets (Socket.IO), Redis queues

AI / LLM: Anthropic Claude (incl. AWS Bedrock), OpenAI GPT-4o, Google Gemini / Vertex AI, function calling, RAG, prompt engineering, multi-model orchestration, n8n workflow automation

Cloud / DevOps: AWS (ECS Fargate, S3, CloudFront, MediaConvert, MediaTailor, Bedrock, SES), Docker, Docker Compose, nginx, GitHub Actions CI/CD, Railway, Vercel

Databases & ORMs: PostgreSQL, MongoDB, Redis, MySQL; Prisma, Drizzle, Mongoose

Payments: Stripe, Stripe Connect, PayPal, Braintree, RevenueCat

Streaming & Media: HLS/DASH, MediaMTX, FairPlay DRM, RTMP/SRT ingest, AV1/H.264, ffmpeg

EXPERIENCE

PROPD Ltd (UK) · WebSolution.ma

Aug 2023 – Present

Founder & Lead Full-Stack Engineer — Remote

- Lead engineer on **AzloTV**, a live-streaming platform serving **80,000+ users and 18,000+ paying subscribers**: extracted subscriptions & payments from a monolithic Node/Express backend into a dedicated **Strangler-Fig microservice**, integrated **Stripe Connect** for creator payouts and live superchat, and engineered 4G/5G stream resilience over MediaMTX — running the full **AWS** media stack (ECS Fargate, S3, MediaConvert, MediaTailor, CloudFront, FairPlay DRM).
- Delivered web products end-to-end (schema → backend → frontend → payments → AI → deploy): **MENA Trade** (AI trading-signals SaaS, EN + Moroccan-Darija RTL), **Sniffari** (17-module backend for a live dog-community platform), and **CARVER-AI** (video → security-assessment pipeline); contract developer on **FrameKraft / Jay's Frames** (payments, email, vendor imports, SEO; live at jaysframes.com).
- Built production **AI/LLM features** with multi-model orchestration (Claude, GPT-4o, Gemini, Grok) — a streaming financial advisor on **AWS Bedrock**, trading-signal generation, and document/video analysis pipelines — using function calling, RAG, and self-hosted **n8n** automation.
- Built and shipped native & cross-platform mobile apps: **AzloTV iOS/tvOS** (Swift 6, SwiftUI) and Flutter apps for streaming and contractor field-work; also developed the React Native/Expo client for **PeptAI**, a health-tracking app (Supabase, RevenueCat in-app subscriptions).
- Open source: published **Finance OS** (multi-currency finance PWA on AWS Bedrock + Claude); contributed a live monitor cockpit and project detector to **4CO-OP** (Claude Code/Codex orchestration), merged upstream (+8,100 lines, PR #17); extended **Liquid Glass Studio** with a full **WebGPU** rendering backend, glass presets, and editor mode (~9k lines of source).

Prochanal

Jan 2022 – Jul 2023

Web Developer, promoted to Developer Project Manager

- Built and maintained client websites on WordPress + custom PHP, and designed an **AI-powered customer-service agent** that measurably cut response times across client workflows.
- Promoted to coordinate development teams across concurrent client engagements — owning timelines, engineering resourcing, and stakeholder communication while delivering on schedule.

DigitalAds — Founder

Jan 2020 – Dec 2022

- Ran an IT-services & digital-marketing studio for local and regional clients: web hosting, SEO, technical support, and paid advertising, end-to-end.

Wfix Store — Computer Repair Technician

Jan 2019 – Dec 2020

- Built prototype client websites with SEO setup; provided hardware and software maintenance for customer devices.

SELECTED PROJECTS & LINKS

- **Jay's Frames** — live custom-framing platform with AI chatbot, order tracking, and 3D frame designer — jaysframes.com
- **Sniffari** — production dog-community platform (Next.js + Node/Prisma + AWS S3) — sniffaridogs.com
- **Open source on GitHub** — Finance OS and more — github.com/Hmz1hb

EDUCATION

SoliCode — OFPPT × Simplon, Full-Stack Web Development (dual diploma)

2021 – 2023

Lycée Al Moustakbal, Baccalaureate — Life & Earth Sciences

2021

CERTIFICATIONS & LANGUAGES

Certifications: Anthropic Cyber Verification Program (approved participant); Microsoft Office Specialist — Word & Word Expert (Office 2016).

Languages: Arabic (native), Moroccan Darija (native), English (fluent), French (fluent), Spanish (beginner).