

Abdelkader Khanji

Full-Stack / AI Engineer

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Arabic (Native) · English (Professional) · French (Advanced) · Spanish (Basic)

PROFESSIONAL SUMMARY

Full-Stack / AI Engineer with 2+ years building production web applications for 15+ clients, now focused on AI engineering — RAG systems, streaming LLM interfaces, multi-agent architectures, and LLM evaluation (Gemini, Google ADK, MCP). Ships end-to-end from requirements to deployment.

TECHNICAL SKILLS

Frontend: React 18, React Native, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Redux, Context API, Responsive Design

Backend & Databases: ASP.NET Core, .NET, Supabase, Firebase (Auth, Firestore), Cloudflare Workers (Hono), REST APIs, JWT, Row Level Security, PostgreSQL, MySQL, SQL Server, SQLite (D1)

AI / LLM Engineering: RAG pipelines, vector search & embeddings (Cloudflare Vectorize, bge-m3), streaming LLM interfaces (Vercel AI SDK, SSE/token streaming), LLM evaluation (LLM-as-judge), Google ADK, Gemini, MCP, multi-agent systems, prompt engineering

Cloud & Serverless: Cloudflare (Workers, Pages, R2, D1, Vectorize, Workers AI), Vercel, Netlify, serverless/edge architecture

Languages: TypeScript, JavaScript, C#, Java, Kotlin, Python, PHP, Dart, C

Tools: Git, GitHub, CI/CD (GitHub Actions), Wrangler, Vite, Docker, cPanel

PROFESSIONAL EXPERIENCE

Front-End AI Engineering Intern | FlyRank — Jul 2026 – Present

- Selected for Cohort 1 of FlyRank's AI engineering program; building front-end features using AI-assisted development workflows (Claude Code CLI, spec-driven implementation) within a reviewed Git process using Conventional Commits and documented repo standards.
- Shipped a streaming AI interface (Next.js App Router, AI SDK, Gemini) as the core of the program capstone — token-level streaming with abort-safe cancellation, scroll behaviour that respects user intent mid-stream, and URL-keyed response caching that eliminates repeat model calls; deployed on Vercel.**

Freelance Full-Stack Developer | Self-Employed 2023 – Present

Designed and delivered 20+ full-stack web and mobile applications using React, TypeScript, ASP.NET Core, and Supabase across e-commerce, logistics, and real estate.

- Built e-commerce platforms with product catalogs, order management, payment integration, shipment tracking, and multilingual AR/EN/FR support across 3 language markets.
- Implemented JWT/OAuth authentication, role-based admin panels, and real-time data sync for 15+ clients; optimized bundles and lazy loading, lifting Lighthouse scores from ~65 to 90+.

PROJECTS

Mersal — Bilingual RAG Document Q&A Platform — Cloudflare Workers, Pages, R2, Vectorize, D1, Workers AI, Gemini, React, TypeScript

Featured AI Showcase Project — Kanz AI Training Hackathon, 2026

[GitHub](#) [Live Demo](#)

- Built an Arabic/English RAG system end-to-end on Cloudflare's edge stack: PDF ingestion (R2, unpdf), multilingual embeddings (bge-m3) with semantic vector search (Vectorize), and grounded Gemini answers with page-level citations and cross-language retrieval.
- Designed an automated evaluation pipeline with an LLM-as-judge (strict JSON verdicts, calibrated rubric), scoring 100% on a 20-case bilingual eval suite including negative cases verifying hallucination refusal.
- Engineered within serverless constraints: PDF.js extraction inside Workers CPU limits, rate-limit-aware sequential eval runs with exponential backoff, and session-isolated vector queries via metadata indexing.

EL ("Easy") — AI Personal Concierge — Google ADK, Gemini, Supabase MCP, Next.js [GitHub](#)

- Multi-agent concierge for everyday life admin — tasks, scheduling, research, and message drafting — routing requests from a root ConciergeAgent to five specialist sub-agents, including a Planner-Critic DayPlanner that auto-resolves scheduling conflicts.
- Built a custom Supabase MCP server and a reusable security layer (input guardrails, tool-call policies, PII redaction) that blocks prompt injection and gates destructive actions behind explicit confirmation.

Funoun — Handmade Artisan Marketplace — React 18, TypeScript, Supabase, PostgreSQL, Tailwind CSS [GitHub](#) [Live Demo](#)

- Multi-vendor e-commerce (Etsy-style) with 4 user roles, product catalog, shopping cart, custom orders, real-time tracking, and reviews; bilingual AR/EN UI deployed on Netlify.
- Built with Supabase Auth and PostgreSQL Row Level Security, plus an animated 3D hero (React Three Fiber).

CERTIFICATIONS & AWARDS

5-Day AI Agents: Intensive Vibe Coding Course | Kaggle × Google — July 2026

- Agentic engineering, MCP/A2A interoperability, agent security & evaluation, and spec-driven deployment with Google ADK and Gemini; built EL as the capstone project.

Featured AI Showcase Project | Kanz AI Training Hackathon — 2026

- Mersal selected as the featured project of the AI Showcase; certificate co-signed by LAU ACE and the Saudi Ministry of Human Resources and Social Development.

EDUCATION

B.S. Computer Science | Lebanese International University (LIU) Expected Fall 2026