

ZIAD AL MHLAKI

Senior AI Full-Stack Developer | RAG Solutions Architect

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PROFESSIONAL SUMMARY

Software Engineer and Founder specializing in **RAG (Retrieval-Augmented Generation)** and scalable AI systems. Successfully scaled digital platforms to **16,000+ users** and generated **100,000+ SAR in revenue** within 90 days. Expert in **Agile workflows** and architecting high-concurrency systems for legal and medical tech sectors.

TECHNICAL CORE & EXPERTISE

Engineering & Architecture: OOP, UML Modeling, System Design, SDLC, SOLID Principles, Agile/Scrum.

AI & Intelligent Systems: RAG Architecture, Hybrid Search, CrewAI Agents, Pinecone, LangChain, Web Scraping.

Core Stack: Python (Django, FastAPI), TypeScript (Next.js, Angular), Dart (Flutter), C#, C++, Java, SQL, Bash.

Infrastructure & Cloud: Docker, Google Cloud Run, Fly.io, GitHub Actions (CI/CD), Linux, Firebase, Twilio.

PROFESSIONAL EXPERIENCE

Founder & Lead AI Engineer

2026 – Present

Diwan Burhan | Remote

- **Architected** a legal-tech ecosystem using Dockerized microservices, reducing document research time by **60%** for **5,000+ active users**.
- **Executed** organic growth strategies on TikTok that secured **600+ registered users in 48 hours**, generating **30,000 SAR revenue**.
- **Optimized** RAG workflows using Hybrid Search to deliver precise legal synthesis with a **95%+ user satisfaction rate**.

Co-founder & Former CTO

2024 – 2026

Beiah Khaber (Khaber AI) | Mecca, KSA

- **Directed** the full SDLC for Saudi Arabia's first AI legal platform, scaling to **16,000+ users** and **100,000 SAR revenue** in 3 months.
- **Engineered** RAG models on **1,000+ legal references**, achieving **95%+ accuracy** in automated litigation simulations.
- **Standardized** technical documentation via UML, reducing development cycle time by **20%** across cross-functional teams.

Software Engineer / Technical Partner

2022 – 2024

Broca Studio | Jeddah, KSA

- **Developed** edyoux.com using Angular and Firebase, maintaining **99.9% uptime** for **2,000+ concurrent users**.
- **Reduced** code technical debt by **25%** through the implementation of **Dependency Injection** and Factory patterns.

Information Technology Specialist

2021 – 2025

Ray Tabuk Establishment for Irrigation Methods | Tabuk, KSA

- **Administered** organizational PostgreSQL databases and designed secure corporate VPN/LAN networks for **50+ staff members**.
- **Automated** monitoring workflows using Python/Bash, saving **15+ hours weekly** and increasing departmental productivity by **40%**.

KEY PROJECTS & ACCOMPLISHMENTS

- **Law Firm Branding:** Engineered high-conversion landing pages for **Salman Al-Fifi** and **Ahmed Mansour Khoja** Law Offices, increasing lead generation.
- **Doctor Hub:** Architected an AI recruitment engine (doctorhubksa.com) using **CrewAI agents** to match medical talent.
- **Mobile Development:** Developed "Al-Wadhifa Al-Nahwiyyah" (Flutter); achieved app store deployment in a record **4-day sprint**.
- **Unity Engine:** Ranked **Top 10 in a Game Jam** for "Forbidden Museum" using advanced Singleton and Observer design patterns.

Bachelor of Information Technology

Graduated 2026

Languages: Arabic (Native), English (Professional Working)