

WAIL ASHRAF HAYALY

Senior Software Engineer | Software Architect | AI Solutions Architect

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PROFESSIONAL SUMMARY

Senior Software Engineer and Software Architect with 11+ years of experience in Flutter, Laravel, Next.js, Python, AI/ML integration, DevOps, and system architecture. Track record of leading technical delivery from concept to production — building scalable mobile, web, and backend platforms for startups, enterprises, and public-sector clients across the MENA region and globally. Founder of Dolphin Solutions, a full-cycle software agency. Open to relocation.

KEY HIGHLIGHTS

- **Experience:** 11+ years in software engineering, architecture, and AI/ML systems
- **Delivery:** 50+ production-grade systems across web, mobile, desktop, and AI
- **Scale:** 200K+ monthly active users on platforms under direct technical ownership
- **Clients:** 30+ startups, SMEs, and institutions served across the MENA region
- **AI:** 20+ custom AI models deployed in production, including NLP, CV, and LLM integrations

WORK EXPERIENCE

Senior Software Engineer – Web, Mobile & AI

Sep 2024 – Present

MediaZan | Full-time – Erbil, Iraq

- Architected a full platform migration from WordPress to Laravel + Next.js, supporting 200K+ monthly active users at 99.9% uptime via Git-driven CI/CD and Cloudflare WAF.
- Integrated LLM-powered content suggestions, automated summarization, and a three-language (Arabic, English, Kurdish) translation workflow, significantly reducing editorial turnaround time.
- Improved backend query performance by 75% through MySQL schema restructuring; reduced server load by 40% under peak traffic using Redis caching and Laravel Octane.
- Delivered three Flutter mobile apps (plus964, Qarar, Reporters) with offline-first architecture, in-app localization, and a 4.2-star average store rating.

Founder & Technical Director

Jun 2018 – Present

Dolphin Solutions | Part-time / Concurrent – Iraq / MENA Region

- Founded and scaled a full-cycle software agency, delivering 50+ production systems — web platforms, mobile apps, desktop tools, and AI/ML solutions — for 30+ clients across MENA.
- Designed and deployed 20+ custom AI models covering NLP, computer vision, and face recognition; built internal LLM tooling that reduced documentation overhead by 40%.
- Oversaw the complete project lifecycle for all client engagements: requirements, architecture, implementation, QA, deployment, and post-launch maintenance.

Mobile Application Engineer

2024 – 2025

Al-Noor University | Contract – Mosul, Iraq

- Built a cross-platform Flutter app covering secure tuition payment, real-time course schedules, and digital student ID; integrated with a purpose-built Laravel backend across 30+ endpoints, reducing data inconsistencies by 90%.

Director of Software Development

Nov 2023 – 2025

Techno Light | Contract / Concurrent – Baghdad, Iraq

- Led scoping and delivery of hardware-integrated software systems for clients in education, retail, and logistics; coordinated five cross-functional teams and improved average client operational efficiency by 20% based on post-delivery KPI reviews.

Senior Full-Stack Developer

Jan 2024 – Dec 2025

Soft-Y | Contract / Concurrent – Erbil, Iraq

- Contributed to architecture and delivery of five enterprise client systems using Laravel, Next.js, and Flutter, maintaining clean separation across backend, frontend, and mobile layers.
- Led technical implementation and client discovery sessions; maintained active systems with a focus on modularity and long-term code quality.

Software Engineer – Full-Stack

Apr 2019 – 2023

Genius Solutions | Full-time – Mosul, Iraq

- Developed and shipped 15+ production systems for education, logistics, and e-commerce clients across nine full project cycles using Laravel, Flutter, Vue.js, Angular, and MySQL.

Volunteer Software Developer

Nov 2017 – Oct 2019

Code For IRAQ NGO | Part-time – Mosul, Iraq

- Designed and built open-source educational and civic platforms serving users across five Iraqi provinces; mentored junior developers and contributed to faster delivery timelines.

Freelance Software Developer

Apr 2015 – 2019

Self-Employed – Remote

- Delivered 15+ client projects — including Tawajud, Agrimatco, Al-Madar Cinema, Saleem Healthcare, Newton Platform, and Wolf Express — using Flutter, Laravel, Firebase, and MySQL.

EDUCATION

Bachelor of Computer Engineering

2018 – 2022

University of Mosul – Mosul, Iraq

TECHNICAL SKILLS

Languages & Frameworks: PHP (Laravel), Python (Django, FastAPI), Node.js, Nest.js, JavaScript, TypeScript, Next.js, Vue.js, Angular, Svelte, React, Dart (Flutter), Swift, Kotlin, Java, C#, C++

AI / ML: LLM APIs (OpenAI, Ollama), NLP, Computer Vision, TensorFlow, PyTorch, Scikit-learn, YOLO, OpenCV, Face Recognition

Cloud & DevOps: AWS, Azure, GCP, Vultr, Docker, Kubernetes, Kafka, Redis, CI/CD, Git, Jenkins, Bitbucket, Linux Ubuntu, Windows Server

Databases: MySQL, PostgreSQL, MongoDB, NoSQL

Security: Cloudflare WAF, DDoS Protection, OAuth2, SSO, JWT, SSL/TLS, API Security, Server Hardening, Reverse Proxies

Tools: Figma, Adobe XD, Postman, Electron, SAP, Docker, CMS, CDN, Jest, Agile

ACHIEVEMENTS & CERTIFICATIONS

Runner-Up – Iraqi Innovation Hackathon

Mosul, Iraq | April 2019

National recognition for an educational platform supporting pre-university student transition, awarded for originality and practical design.

Certificate of Professional Project Completion – IEEE

Mosul, Iraq | 2019

Awarded by IEEE for completing a software project to high technical and academic standards.

Startups Development Training – UNDP / Human Appeal

Mosul, Iraq | Sep 2021

Completed a UNDP-backed program in business strategy, product development, market research, and startup execution.

LANGUAGES

Arabic (Native) **English** (Fluent / Professional) **Kurdish** (Intermediate) **French** (Conversational)