

# Ahmed Ziad Almabhouh

## Full-Stack Software Engineer & SaaS Architect

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### Summary:

Full-Stack Software Engineer & SaaS Architect with over 6 years of experience designing and delivering secure, scalable, and high-availability web platforms using Laravel, Node.js/NestJS, Vue.js, Redis, and modern cloud infrastructure (AWS, Cloudflare). I specialize in building multi-tenant SaaS systems, developing RESTful APIs, implementing CI/CD pipelines, and optimizing backend performance through caching strategies, queue processing, and database query tuning.

I have led the architecture and deployment of production-grade platforms for enterprise and startup clients, focusing on reliability, system observability, and clean, maintainable code. Currently expanding my expertise in Artificial Intelligence and Machine Learning to develop data-driven and intelligent software solutions that enhance automation, scalability, and decision-making within digital products.

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### Education:

#### Bachelor of Software Engineering

Al Azhar University - Gaza | 2018 – 2023

#### Mathematics for Machine Learning and Data Science

Coursera | Jan 2026 - Present

### Courses:

#### AI For Everyone

Coursera | Dec 2025

#### Python for Data Science, AI & Development

Coursera | Dec 2025

#### Building Intelligence Agents

Coursera | Dec 2025

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### Professional Experience:

- **Aysal Media, Backend & DevOps Engineer (Sep 2025 – Present)**
  - **Backend Development & Platform Engineering:**
    - Developed and maintained **scalable Laravel REST APIs** integrated with **Redis-based queue systems** to support **high-performance backend operations**.
    - Implemented **asynchronous processing workflows** to enhance **system reliability** and **transaction handling**.
  - **Infrastructure & Deployment Management:**
    - Managed **Linux-based cloud infrastructure** on **DigitalOcean** for production deployments.
    - Configured and optimized **Nginx web servers**, **CI/CD pipelines**, and **Cloudflare security layers**.
    - Improved **system performance** and **availability** through **MySQL query optimization** and **caching strategies**.
  - **Technologies Used:**
    - **Laravel, Node JS, PHP, MySQL, Redis, Linux, Nginx, DigitalOcean, CI/CD, Docker, Cloudflare, REST APIs**
- **WESSAAL, CEO & Backend Engineer (Jan 2025 – Present)**
  - **SaaS Platform Architecture & Delivery:**
    - Led the **product strategy** and **technical architecture** of a **multi-tenant SMS and WhatsApp SaaS platform**.
    - Designed and deployed **scalable Laravel REST APIs** integrated with **Redis/Horizon queue systems** for **asynchronous messaging workflows**.
    - Implemented **CI/CD pipelines**, **system observability**, and **Infrastructure-as-Code (IaC)** to ensure **high availability** and **repeatable deployments**.
    - Established **security and privacy-by-design practices** including **authentication**, **rate limiting**, and **audit logging**.
  - **System Integration & Localization:**
    - Integrated **telecom carrier gateways** and developed **deliverability monitoring** and **abuse-prevention mechanisms**.
    - Implemented **multilingual platform support (AR / EN / HE)** for enterprise-level deployments.
  - **Technologies Used:**
    - **Laravel, Node JS, Next JS, PHP, MySQL, Redis, REST APIs, CI/CD, Docker, AWS, Cloudflare, Nginx, Kafka, N8N**

- **Otlub Delivery, Backend Engineer (Consultant) (Apr 2023 – Present)**
    - **Dispatch & Order Management Systems:**
      - Designed **scalable Laravel APIs** with **Redis queue processing** for **real-time delivery dispatch systems**.
      - Integrated **YaadPay Payment Gateway** and **Google Maps API** for **real-time tracking** and **ETA prediction**.
    - **Performance & Reliability Improvements:**
      - Improved **ETA prediction accuracy by 23%** and reduced **timeout errors by 80%**.
      - Implemented **CI/CD pipelines** and **automated API testing** to stabilize **checkout performance**.
    - **Technologies Used:**
      - **Laravel, PHP, MySQL, Redis, REST APIs, Google Maps API, YaadPay, CI/CD, Laravel Filament**
  - **ORBIT Technology, Full-Stack Software Engineer (Jan 2022 – Dec 2024)**
    - **Backend Development & Performance Optimization:**
      - Developed **Laravel-based RESTful APIs** and **Vue.js interfaces** for **enterprise applications**.
      - Improved **application performance by ~25%** through **database query optimization** and **Redis caching strategies**.
      - Translated stakeholder requirements into **PRDs** and **UAT workflows**, increasing **on-time delivery by 70%**.
    - **Quality Assurance & Stability:**
      - Implemented **PHPUnit** and **API test coverage**, reducing **production incidents by ~20%**.
      - Participated in **code reviews** and **deployment pipelines** to ensure **system reliability**.
    - **Technologies Used:**
      - **Laravel, PHP, Vue.js, Nova, JavaScript, Alpine JS, MySQL, Redis, REST APIs, PHPUnit, CI/CD, S3, BitBucket, Livewire**
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## Projects:

### HAWAT Fisheries & Ports Management Platform

Developed **Laravel REST APIs** for fisheries operations with **Redis queues** and **DigitalOcean CI/CD deployment**.

### OTime Workforce & Attendance Management System

Built **Laravel backend APIs** for employee attendance and HR workflow management, improving performance through **query optimization** and **caching strategies**.

### MoversPlus Booking & Removals Platform

Developed backend APIs for managing moving service bookings, scheduling, and quotation workflows using **RESTful architecture**.

### Product Boycott & Alternative Discovery Platform

Developed backend APIs for product identification and alternative brand suggestions with optimized search performance.

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## Technical Skills:

- **Programming Languages:** Python, PHP, JavaScript (ES6+).
  - **Backend Development:** RESTful APIs, Microservices Architecture
  - **Databases:** PostgreSQL, MySQL, Oracle SQL, Redis
  - **Messaging & Queues:** Redis/Horizon, Kafka, RabbitMQ
  - **DevOps & Cloud:** Linux, Nginx, AWS, DigitalOcean, Cloudflare, Docker, CI/CD (GitHub Actions, GitLab)
  - **Frameworks & Libraries:** Laravel, Node JS, Nest JS, Next JS, Vue JS, Laravel, Filament, Nova, Livewire & Alpine JS
  - **Tools & Technologies:** Git, ORM, Query Optimization, Caching Strategies
  - **Currently Learning:** Artificial Intelligence & Machine Learning
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**Soft Skills:** Leadership | Team Management | Problem Solving | Time Management | Problem Analysis

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**Languages:** Arabic (Native) | English (Professional) - B2 Oxford Exam Certified