

Ahmed Walid

Junior Backend Software Engineer

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SUMMARY

Junior Backend Software Engineer and fresh graduate with hands-on production experience — sole developer of a platform used by 5 businesses and Backend Team Lead of an AI-based missing-persons platform. Backend-focused on Java, Python, and JavaScript with full-stack capability and a record of shipping complete systems.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript

Backend: Spring Boot, FastAPI, Node.js

Data: PostgreSQL, Redis

Cloud & Infrastructure: Docker, Kubernetes, AWS, Serverless

AI: InsightFace, AI integration

EXPERIENCE

Retaila — Small-Business Management Platform

Sole Developer & Architect | Jun 2026 – Present

Production management platform for small businesses that centralizes inventory, sales, vendor transactions, payments, credits, refunds, and financial operations. Currently used by 5 businesses and manages approximately 1,200 products across 13 modules.

- Designed and implemented the complete backend and database schema, covering the platform's core business workflows.
- Engineered the financial cash-ledger orchestration to maintain consistent financial records across sales, payments, credits, refunds, and vendor transactions.
- Deployed the production system on Render.

Tamini — Missing-Person Identification Platform

Backend Team Lead

AI-powered platform that helps connect missing-person and found-person reports using facial recognition and matching to identify potential matches across submitted reports.

- Led a 3-person backend team within a 7-member project, coordinating architecture, task execution, code reviews, and technical decisions.
- Designed the backend architecture and personally implemented approximately 50% of the backend.
- Integrated Spring Boot, Node.js real-time services, and a FastAPI-based facial recognition pipeline using InsightFace/Bufalo.

PROJECTS

Loader — Open-Source File Transfer Engine

Open-source | Independently designed and built

Reusable file upload and download infrastructure designed for secure and resilient large-file transfers, with chunking, encryption, and malware scanning capabilities.

- Independently designed and implemented the system with chunked uploads/downloads, AES-CBC data protection, and ClamAV scanning.
- Reused the engine across approximately 3 projects as shared file-transfer infrastructure.

EDUCATION

BSc, Computer Science and Information Technology

Minia University, Faculty of Science | GPA 3.0 | Graduated 2026