

Khalil Lounis

Software Developer | AI and Data Science Student
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EXPERIENCE

Ayor AI

Algiers, Algeria – Hybrid

Algeria's leading AI-powered e-commerce SaaS serving 90k+ merchants.

Aug. 2025–May 2026

- **Reduced inter-service coupling across 3+ backend services** by re-architecting plugin and shipping modules to an event-driven pub/sub model, improving consistency and deployment safety.
- **Improved payment conversion by 75%** by integrating a new payment gateway, replacing the previous provider.
- **Expanded service coverage to 5+ regions** by integrating multiple delivery providers, streamlining order assignment and fulfillment.
- **Maintained 99%+ uptime on GCP** by setting up and maintaining infrastructure services configuration, and driving fast investigation and resolution of user-facing bugs for reliable customer service and operational continuity.

Full Stack Developer – RetailSpot / ProcessIQ

Île-de-France, France – Remote

Apprenticeship management and company tracking automation platform.

Jul. 2025–Apr. 2026

- **Reduced developer onboarding time by 30%** on the platform built for Rush School, by refactoring the platform architecture and codebase into a modular, scalable structure ahead of the product launch.
- **Accelerated MVP delivery** by building core product features – including end-to-end contract workflows, async background jobs, and a follow-up tracking system – in close collaboration with product stakeholders and the CTO, aligning technical decisions with key business requirements.

Development Department Co-Manager – GDG Algiers

Algiers, Algeria – Hybrid

Google Developer Group (GDG) Algiers chapter.

Jul. 2025–Jul. 2026

- **Shipped 2 production platforms to 400+ active users** by leading end-to-end development of [GDG Algiers Learning Platform](#) and [GDG Docs](#).
- **Improved delivery consistency across 3+ concurrent projects** by supervising 50+ department members and standardizing GitHub workflows and code review practices.
- **Trained 50+ community members** in backend development by leading the GDG School Backend Bootcamp.

PROJECTS

Invogen | Invoice automation system for Masytro Delivery

Feb. 2025

Next.js, Express.js, Excel, PDFKit

- Eliminated a fully manual billing process by building an automated bulk invoice system that processes Excel files of 5,000+ rows and concurrently generates PDF invoices in real time.

Syphax Hotel | Desktop hotel management system

Feb. 2024–Jun. 2024

React.js, Electron, TanStack Query

- Cut check-in time by 50% for a 40+ room property by designing and developing a desktop management system covering reservations, customers, rooms, and payments, replacing a fully manual workflow.

SKILLS & CERTIFICATIONS

Programming Languages: C, Python, Java, JavaScript, TypeScript, SQL

Frontend: HTML, CSS, React, React Native, Next.js, Astro, TailwindCSS, Electron

Backend: Node.js, Express.js, NestJS, Django, DRF, GCP, Docker, Redis, Prisma, PostgreSQL, MongoDB, Firebase

Tools: Git/GitHub, GitHub Actions, Jira, ClickUp, Slack, VS Code, Postman, Swagger

Other: Linux, cPanel, WebSockets, Redux Toolkit, Zustand, shadcn/ui, TanStack Query, Jest, Scrum, OOP, Figma, Automation, Web Scraping, NumPy, Pandas

Certifications: Data Analyst in Python (DataCamp), Machine Learning Specialization (Coursera)

Languages: Arabic (Native), English (Fluent – EF SET C2), French (Professional – TCF SO B2)

EDUCATION

École Supérieure en Sciences et Technologies de l'Informatique et du Numérique (ESTIN)
Engineer's Degree in Computer Science – AI & Data Science (Final Year)

Béjaïa, Algeria