

Ghali Lahlou

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Professional Summary

Final-year MIAE student at EMSI and Full-Stack Software Engineer delivering cloud-native, AI, and automation platforms. Expert in React, Next.js, Node.js, Spring Boot, Django, Supabase, Firebase, Docker, and n8n. Design LLM workflows, ML pipelines, and CI/CD APIs that boost uptime, accelerate sourcing, and automate HR, legal, and healthcare operations.

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, SQL, C# **Frontend:** React, Next.js, HTML, CSS **Backend:** Node.js, Spring Boot, Django, .NET Core

Automation: n8n, Zapier, Make, Web Scraping **Cloud:** Supabase, Firebase, AWS **DevOps:** Docker, GitHub Actions, CI/CD

AI/ML: TensorFlow, PyTorch, NLP, LLM, RAG **Data & Security:** PostgreSQL, MongoDB, Supabase, OAuth2, JWT, Python (blockchain)

Blockchain: Solidity, Hardhat, Foundry, Truffle, ethers.js, web3.py, Ganache, Infura, Alchemy, QuickNode, IPFS, Filecoin, Slither, Tenderly, The Graph, Chainlink

Education

– **École Marocaine des Sciences de l'Ingénieur**, Casablanca 2021 – Present
MIAE Specialization – Computer Science & Networks

Professional Experience

Full-Stack & Automation Engineer *Freelance* 2023 to Present

- Ship automation for SMBs (CRM, billing, email, scraping) via n8n, Zapier, and REST services.
- Architect Shopify-like e-commerce stacks (React, Next.js, Supabase, Stripe) with CI/CD. Key work: ROAPP, ticketing platform, marketing app, ysquare, docst, projet_autocorrect.

Medical Imaging Platform (DL + Blockchain) *Freelance* Oct 2025 to Present

- Build CNN/ResNet/U-Net pipeline (TensorFlow, PyTorch) for classification and segmentation. Publish inference API secured by blockchain integrity log.

Cheky Legal Workflow Platform *Freelance* Sep 2025 to Present

- Automate IDDOC contract drafting with template engine, API triggers, and n8n orchestration. Operate secure Supabase backend (RBAC, JWT).

Software Engineer AI Engineer Intern *Nexa Partner, Casablanca* July 2025 to September 2025

- Delivered automated candidate-intel platform (API scraping, n8n, dashboards) cutting sourcing time by 70%. Deployed LLM pipeline to parse CVs and prioritize interviews.

Data Science & Web Intern *Bank Al Yousr, Casablanca* Jul 2024 to Aug 2024

- Built Django/PostgreSQL analytics portal for 1M+ retail banking rows. Delivered Random Forest/XGBoost models hitting 92% accuracy plus Plotly/Dash KPIs.

Selected Technical Projects

ROAPP multi-tenant ops suite | Ticketing platform with Stripe and n8n | Marketing automation portal | ysquare cloud app | docst document intelligence | projet_autocorrect NLP

Languages

French (C1), English (B2), Arabic (Native)

Interests

AI research, Blockchain security, Cybersecurity, Tech reading, Hiking, Football