

Zakariae Ezzine

Software Engineer

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Professional Summary

Results-driven Software Engineer with 2+ years of experience building microservices, AI-powered systems, and SaaS platforms. Proven track record scaling applications across 80+ retail locations and deploying LLM platforms that reduced enterprise reporting times by 98%. Experienced team lead skilled in React, Node.js, Python, PostgreSQL, and cloud deployments (AWS, Azure, DigitalOcean).

Technical Skills

- **Languages Frameworks:** TypeScript, JavaScript, Python, React.js, Next.js, Vue.js, Node.js, Express, NestJS, FastAPI, Django, Bun
- **Cloud DevOps:** Docker, CI/CD, Linux, Nginx, Caddy, AWS, Azure, DigitalOcean, PostgreSQL, MongoDB, REST APIs, Microservices
- **AI Data Engineering:** LLM Integration, Prompt Engineering, Natural Language Querying (NLQ), Computer Vision (Hugging Face), Pandas, XGBoost
- **Leadership Methodologies:** Technical Leadership, Agile/Scrum, Code Reviews, Software Architecture, Product Roadmapping
- **Languages:** English (Fluent), French (Intermediate), Arabic (Native)

Professional Experience

Lead Full Stack Engineer Jul 2025 – Jul 2026
Marwa Casablanca, Morocco

- Architected and scaled a multi-store SaaS platform serving 80+ retail locations using React, Node.js, FastAPI, and PostgreSQL.
- Recruited, mentored, and managed a team of 4 software developers, directing sprint planning, technical roadmaps, and code reviews.
- Engineered an LLM-powered Natural Language Query (NLQ) platform with schema-aware prompt safety, cutting report processing time from 4 hours to 5 minutes.
- Designed microservices architecture backed by Docker, automated CI/CD pipelines, and Caddy reverse proxy for automated SSL/TLS management.

Full Stack Developer Nov 2024 – Jul 2025
UM6P – Collective Intelligence School Rabat, Morocco

- Supervised 2 developers in building production research platforms leveraging React, NestJS, Django, and PostgreSQL/MongoDB.
- Developed computer vision pipelines using Hugging Face models for facial emotion and eye-movement tracking supporting ADHD and dyslexia studies.
- Engineered data collection pipelines that directly provided core datasets for 2 published PhD theses.
- Built real-time interactive game-theory applications using Socket.IO, optimizing backend response times and WebSocket throughput.

Freelance Full Stack Engineer Technical Advisor Aug 2025 – Dec 2025
Swarmcheck Poland (Remote)

- Contributed to an AI-assisted collective intelligence platform, building collaborative UIs in React and TypeScript backends in Node.js.
- Integrated LLMs for automated argument analysis and reasoning support; managed cloud infrastructure on Azure with MongoDB.

Freelance Full Stack Developer Jun 2024 – Nov 2024
Independent Remote

- Built custom web applications with React, Vue.js, NestJS, and MongoDB, deploying production instances on DigitalOcean.
- Automated client workflows and web scraping routines using custom Python and Selenium scripts.

Education

Digital Architect 2021 – 2024
1337 Coding School (42 Network / UM6P) Benguerir, Morocco

Diploma in Software Development 2019 – 2021
ISTA Casablanca, Morocco