

MOHAMED AMINE AMMAR

FULL STACK SOFTWARE DEVELOPER

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PROFESSIONAL SUMMARY

Full Stack Software Developer experienced in building scalable web applications, microservices, and AI-powered platforms, from design to cloud deployment.

EDUCATION

Bachelor's Degree in Software Engineering, *Faculty of Sciences of Monastir*, Monastir, Tunisia 2021 – 2024

CERTIFICATIONS

Claude Code in Action

Anthropic, 2026

AWS Technical Essentials

Amazon Web Services, 2025

Docker Basics for DevOps

KodeKloud, 2025

EXPERIENCE

Web Development Intern, *Pixelium*, Sousse, Tunisia Feb 2024 – May 2024

- Built a real-time animal tracking platform (Next.js, Fastify, MongoDB) with live dashboards.
- Improved API performance and code quality via profiling, refactoring, and code reviews (Agile/Scrum team).

SKILLS

Programming Languages:

JavaScript, TypeScript, Python, Go, Java, C++, SQL

Frontend:

React, Next.js, React Native, Tailwind CSS, Electron

Backend:

Node.js, Express, NestJS, Fastify, Go (Echo, Gin, Fiber), FastAPI

Databases & Cloud:

PostgreSQL, MongoDB, Redis, AWS (EC2, EKS), Docker, Kubernetes, CI/CD, Linux, Nginx

AI & Practices:

LLM integration, RAG pipelines, OpenAI API, Deepgram, MCP, Microservices

Architecture & Methodology:

Clean & Hexagonal Architecture, SOLID, Agile/Scrum

PROJECTS

Chess Puzzle App – *Next.js, Go (Echo), FastAPI, Redis, AWS EKS*

- Microservices chess puzzle platform (Lichess API, 4M+ dataset) with RAG-based natural-language selection.
- Voice-to-move engine with a custom NLP parser and multiple STT backends (OpenAI, Deepgram).
- Deployed on AWS EKS behind an Nginx gateway with a CI/CD pipeline via GitHub Actions.

AI-Powered Recruitment Platform – *JavaScript, Multi-Agent LLM Architecture*

- Multi-agent LLM system automating JD summarization, CV parsing, skill analysis, and interview scheduling.

Desktop Personal Assistant – *C++, Qt 6, MVVM*

- Windows 11 automation assistant built with clean architecture, SOLID boundaries, and MVVM.

Stockfish Analysis Service – *Go (Gin), AWS EC2, SSH*

- Hexagonal Go API driving a remote Stockfish engine on AWS EC2 via SSH, with analysis from FEN, PGN, UCI, or SAN input.

Hanouti.tn E-Commerce Platform – *Next.js, Node.js, MongoDB*

- E-commerce platform with cart, admin dashboard, Stripe/PayPal + cash-on-delivery payments, and an AI chatbot.

LANGUAGES

Arabic: Native • **French:** Fluent • **English:** Fluent