

Mohamed Amine MIDENI

Full-Stack Software Engineer · AI/ML & DevOps · Quality-Driven

CURRICULUM VITAE

CONTACT

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SKILLS

BACKEND

- Node.js
- Express
- Fastify
- Java / Spring Boot
- Microservices
- REST API
- Python

FRONTEND

- React
- TypeScript
- JavaScript
- Next.js
- Tailwind CSS

QA & TESTING

- Selenium
- Postman
- JUnit
- Mockito
- Test design
- Agile

DATABASES

- PostgreSQL
- MongoDB
- Redis
- Prisma
- SQL

DEVOPS & CLOUD

- Docker
- CI/CD
- Jenkins
- Kubernetes
- Linux
- Git

REALTIME & MESSAGING

- Socket.IO
- Kafka
- RabbitMQ

AI & ML

- TensorFlow / Keras
- scikit-learn

LANGUAGES

Arabic	Native
French	Fluent
English	Professional
German	A2

PROFILE

Full-stack software engineer building and shipping applications end to end — from distributed backends (microservices, event-driven) to React/TypeScript frontends, with a strong DevOps culture (Docker, CI/CD) and AI/ML. Quality and testing are at the core of how I build reliable products.

EXPERIENCE

Full-Stack Software Engineer — End-of-Studies Internship (PFE) 2026
Codemize Solution · Sousse, Tunisia

- Built **Mallify**, an event-driven e-commerce marketplace decomposed into 18+ independent microservices.
- Implemented services in Node.js with per-service MongoDB data ownership and event-driven communication through a message broker.
- Containerized every service with Docker & Docker Compose for independent deployment and service-by-service scaling.

Full-Stack Software Engineer — Summer Internship Summer 2025
Midani IT · Sousse, Tunisia

- Developed **VitaSensor**, a real-time smart-hospital platform streaming patient vital signs over WebSockets (Socket.IO).
- Built a multi-role React/TypeScript frontend (admin, doctor, nurse) on a Node.js/Express + PostgreSQL (Prisma) backend with JWT authentication.
- Integrated Python AI/ML models (LSTM, Random Forest, Isolation Forest) to predict patient risk and drive a multi-level alerting workflow.

Software Engineer — Annual Project Internship (PFA) 2025
Codemize Solution · Sousse, Tunisia

- Built **Shoofli**, a role-based services marketplace connecting clients with local technicians.
- Developed a React + TypeScript single-page app with distinct client, technician, and admin experiences — publications, in-app contact, and notifications.

Freelance Full-Stack Web Developer **CURRENT** 2021 — Present
Freelance / Independent · Remote · Tunisia

- Delivered custom web platforms and applications for clients end to end — from conception and UI/UX design through development and deployment.
- Built restaurant platforms, a delivery application, and e-commerce websites tailored to each client's business.
- Managed the full project lifecycle independently: requirements gathering, design, frontend & backend development, and client delivery.

EDUCATION

Engineering Degree in Software Engineering — Graduated with Excellent Honors 2023 — 2026
EPI Digital School, Sousse

Preparatory Cycle in Information & Communication Technologies (ICT) 2020 — 2022
EPI Digital School, Sousse

Preparatory Engineering Studies 2019 — 2020
Preparatory Institute for Engineering Studies of Monastir (IPEIM)