

Yassine Messaoudi

Full-Stack Software Engineer | AWS & DevOps

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scar-vault.com

Professional Summary

Full-stack software engineer and engineering graduate developing production ERP, e-commerce and AI-assisted applications for a Swiss company. Experience spans Python and PHP backends, React interfaces, AWS, Docker and CI/CD, with hands-on work in API integrations, application security and production troubleshooting.

Professional Experience

Consumer World GmbH

Jan 2025 - Present

Full-Stack Software Engineer | Full-Time Contractor

Lucerne, Switzerland | Remote from Tunisia

Joined through a final-year engineering project and continued in a full-time contractor relationship.

- Develop and maintain business applications across frontend, backend, databases and external APIs; refactor existing workflows while preserving compatibility.
- Implement AWS delivery workflows, including GitLab to GitHub to AWS Amplify pipelines; support Docker-based deployments, Linux servers, TLS and production troubleshooting.
- Apply GitLab merge requests, automated tests, build checks and dependency audits; harden authentication, authorization, APIs, webhooks and secrets handling.

Selected Production Projects

Delivered within Consumer World GmbH

eScooterLab ERP

- Developed modular repair and commerce workflows connecting customer and scooter records, repair intake, bookings, product information and operational processes.
- Integrated AI-assisted intake and product-data scraping, Twilio and Meta messaging, Outlook email workflows, and WebRain product publishing to eScooterLab.ch.

Enterprise ERP and E-Commerce Operations Platform

- Developed Laravel 10, PHP 8 and MySQL workflows for order routing, supplier assignment, catalogue management, CRM, technician scheduling and operational dashboards.
- Implemented Swiss QR-bill invoicing, payment reconciliation and DHL/UPS shipping integrations; automated supplier imports, price-change detection and OpenAI-assisted product classification.

BlogAutomate

- Developed AI-assisted content and SEO automation with OpenAI and DataForSEO integrations, WordPress plugins, and automated WordPress and Meta publishing workflows.

Selected Personal Project

ScarVault

Full-Stack Digital Goods E-Commerce Platform | Built from scratch

scar-vault.com

Next.js 14, React 18, TypeScript, Django 5, Django REST Framework, PostgreSQL, Redis and Celery.

- Designed the relational data model and REST APIs with validation, pagination and permissions; built catalogue, search, cart, checkout, order and refund workflows.
- Integrated Konnect payments with webhook confirmation and order-reference, amount and currency validation; implemented proof submission and staff approval for manual payments.
- Built encrypted digital inventory with reservation, allocation, automatic delivery, stock monitoring and delivery records, including encryption-key rotation support.
- Implemented JWT and Google/Discord OAuth, email verification, two-factor authentication, session revocation, RBAC, rate limiting, audit logs and risk-based review queues.
- Built English, French and Arabic interfaces with RTL, administration and analytics; configured Docker, Nginx, Gunicorn and Celery, plus metadata, structured data and sitemaps.

Earlier Experience

BFI TECH | Software Development Internship

Jul - Sep 2024

Developed a restaurant management application with Angular and ASP.NET Core, including REST APIs, business logic and user security.

AHWA | Software Development Internship

Jul - Sep 2023

Developed a gym discovery and registration application using Angular, Spring Boot REST APIs and MySQL.

Technical Skills

Languages Python, PHP, JavaScript, TypeScript, SQL

Backend FastAPI, Django, Django REST Framework, Laravel, REST APIs, webhooks, Celery

Frontend React, Next.js, Tailwind CSS, HTML, CSS, Blade, Bootstrap

Data PostgreSQL, MySQL, Redis; previous MongoDB experience

Cloud and DevOps AWS EC2, Lambda, Amplify; Docker, Docker Compose, Linux/Ubuntu, Nginx, Git, GitLab CI/CD, GitHub, TLS, server administration

AI and Automation n8n, AI-assisted development, OpenAI API, AI agents, Twilio, Meta APIs, WordPress plugin development, DataForSEO, WebRain, web scraping

Application Security Authentication, authorization, RBAC, API and webhook validation, rate limiting, secrets handling, dependency audits, secure deployments

Education

Software Engineering Diploma

ESPRIT - Private Higher School of Engineering and Technology

Tunisia | Graduated December 2025 | Specialisation: Software Engineering

Academic DevOps project (Sep - Nov 2024): Jenkins, SonarQube, Nexus, Prometheus, Grafana.

Languages

Arabic: Native | English: Professional Working Proficiency | French: Intermediate