

Hamza EL MASSOUDI

DevOps Engineer | Casablanca, Morocco

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Summary

DevOps Engineer with expertise in CI/CD pipelines, cloud infrastructure, and scalable systems. Optimized CI pipelines reducing test time and implemented robust plugin testing for OpenSearch on Oracle Cloud Infrastructure. Proficient in containerization, orchestration, and infrastructure as code using Docker, Kubernetes, and Terraform.

EDUCATION

Engineering Degree, Software Engineering & Distributed Systems — Ecole Normale Supérieure de l'Enseignement Technique, Mohammed VI 2022–2025

B.Sc. Mathematics & Computer Science — Faculty of Science and Technology, Al Hoceima 2021–2022

DEUST (Scientific and Technical University Studies) — Faculty of Science and Technology, Al Hoceima 2019–2021

EXPERIENCE

Software Engineer Intern — Oracle, OCI Search with OpenSearch Feb 2025–Aug 2025
Casablanca, Morocco

- Optimized CI/CD pipelines reducing test-suite execution time.
- Developed automated plugin-test suites for OpenSearch with Java and Bash scripts for regression and performance testing.
- Enhanced monitoring and observability of testing processes to improve reliability and debugging.

Software Engineering Intern — FeverToken Jun 2023–Aug 2023
Remote

- Developed a mobile app as a crypto wallet.
- Implemented features for securing the wallet, including encryption and authentication.
- Added functionality for transferring money with blockchain integration.

PROJECTS

Student Engagement & Academic Management Platform (Freelance – Contract) Sep 2024–Dec 2024
Freelance

- Architected and delivered a scalable React Native app for 1,000+ concurrent students, enabling self-service, community engagement, and mentor matching.
- Integrated an AI-powered chatbot to automate and resolve student FAQs instantly.
- Engineered the platform using React Native, Node.js/Express, PostgreSQL, and OpenAI API.

Survey Creation Platform 2024
Personal Project

- Conceived and engineered a full-stack web platform for creating, distributing, and analyzing surveys using microservices architecture, with RESTful APIs in **Spring Boot** and a responsive **React** frontend.
- Leveraged **PostgreSQL** for data management and integrated user authentication with analytics.
- Containerized the application using Docker and deployed microservices on Kubernetes for scalability, orchestration, and high availability.

SKILLS

DevOps & Cloud: Docker, Kubernetes, Terraform, OCI, Git, Linux

Programming Languages: Java, Bash, Python

Backend: Spring Boot, Express.js, Node.js

Databases: MySQL, PostgreSQL, MongoDB

Frontend: React, React Native

LANGUAGES & INTERESTS

Languages: Arabic (Native), English (Fluent), French (Fluent)

Interests: Football, Reading, Competitive Programming