Hamza EL MASSOUDI

Software Engineer | Casablanca, Morocco

📞 +212 697 56 68 01   hamza.elmassoudi.dev@gmail.com   in linkedin.com/in/hamza-el-massoudi-29a558235   ⬡
github.com/ygwoah

Summary

Full-stack engineer specialized in distributed search systems (Oracle Cloud Infrastructure). Delivered 35% faster CI pipelines and robust plugin-test coverage for OpenSearch. Adept at building scalable web/mobile apps and integrating AI-powered solutions using React, Spring Boot, PostgreSQL, and Docker.

EDUCATION

Engineering Degree, Software Engineering & Distributed Systems — Ecole Normale Supérieure de l'Enseignement Technique, Mohammedia   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 — Oracle   Oct 2025–Present
Casablanca, Morocco

- Designed retrieval-augmented generation (RAG) pipelines in Python to enrich search relevance and response quality.
- Built and deployed AI features for the product, leading efforts on prompt design, evaluation, and automation.
- Partnered with the team to propose and deliver roadmap improvements, accelerating experimentation and delivery cadence.

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

- Optimized CI pipeline, reducing test-suite time.
- Engineered plugin-test suite for OpenSearch using Java and Bash.
- Improved the observability of the testing.

Software Engineering Intern — FeverToken   Jun 2023–Aug 2023
Remote, Paris, France

- 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, Firebase, and OpenAI API.

Survey Creation Platform   2024
Personal Project

- Conceived and engineered a full-stack web platform for creating, distributing, and analyzing surveys.
- Implemented RESTful APIs and core business logic with **Spring Boot**, reducing survey creation time by 30%.
- Crafted an intuitive, responsive frontend in **React** for seamless survey creation and real-time results visualization.
- Leveraged **PostgreSQL** for secure, scalable data management.
- Integrated user authentication and dynamic analytics to enhance user experience.

SKILLS

Programming Languages: TypeScript, JavaScript, Java
Frontend: React, React Native, Next.js, Tailwind CSS
Backend: Spring Boot, Express.js, Node.js
Databases: MySQL, PostgreSQL, MongoDB, Firestore
Cloud: Kubernetes, Terraform, Docker, Git, Linux, OCI

LANGUAGES & INTERESTS

Languages: Arabic (Native), English (Fluent), French (Fluent)
Interests: Football, Reading, Competitive Programming