

Hamza EL MASSOUDI

Software Engineer | Casablanca, Morocco

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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, 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 and automated the CI pipeline (Jenkins, GitHub Actions), reducing test-suite time by 35%.
- Engineered and maintained a robust plugin-test suite (security, performance, regression) for OpenSearch using Python and Bash.
- Collaborated with distributed teams to deliver scalable search solutions on Oracle Cloud Infrastructure.

Software Engineering Intern — FeverToken Jun 2023–Aug 2023
Remote

- Developed and deployed a React Native mobile app, integrating Firebase Auth, Expo Push, and real-time data sync.
- Led agile ceremonies, conducted code reviews, and accelerated feature delivery by 20%.
- Enhanced user experience for 500+ users by optimizing app performance and reliability.

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.
- 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

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

Infrastructure-as-Code & Orchestration: Kubernetes

LANGUAGES & INTERESTS

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

Interests: Football, Reading, Competitive Programming