Hamza EL MASSOUDI

Backend Developer | Casablanca, Morocco

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Summary

Backend Developer with expertise in scalable server-side applications. Built robust APIs and microservices using Spring Boot, Node.js, and PostgreSQL. Proficient in database design, RESTful services, and integrating with frontend systems for seamless user experiences.

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 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

- 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.
- 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

Backend: Spring Boot, Node.js, Express.js
Programming Languages: Java, JavaScript, TypeScript
Databases: PostgreSQL, MySQL, MongoDB
DevOps: Docker, Git
Frontend: React, Next.js

LANGUAGES & INTERESTS

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