

Hamza EL MASSOUDI

Software Engineer | Casablanca, Morocco

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Summary

Software Engineer with expertise in cross-platform development using React Native. Built scalable mobile applications for 1,000+ users, integrating Firebase, real-time data sync, and secure authentication. Proficient in frontend and backend technologies for seamless mobile 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 DEUST (Scientific and Technical University Studies) — Faculty of Science and Technology, Al Hoceima	2021–2022
	2019–2021

EXPERIENCE

Software Engineer Intern — Oracle, OCI Search with OpenSearch Casablanca, Morocco	Feb 2025–Aug 2025
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- 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 Remote	Jun 2023–Aug 2023
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- Developed a mobile cryptocurrency wallet app using React Native, optimized for iOS and Android platforms.
- Implemented features for securing the wallet, including encryption and authentication.
- Added functionality for transferring money with blockchain integration, ensuring cross-device compatibility.
- Deployed the app to test environments, achieving seamless performance on mobile devices.

PROJECTS

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

AI Assistant App for Elderly Care Freelance	2024
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- Designed UI in Figma for a subscription-based AI assistant app for elderly users, enabling audio-only interactions with an AI agent powered by OpenAI.
- Implemented React Native front-end components, integrating features such as YouTube video search and playback, map search with route display, push notifications, and reminders integration with native calendar.
- Collaborated on GitHub repository to complete the app, adding talking animations and enhancing overall functionality for improved user accessibility.

SKILLS

Mobile Development: React Native, Swift, Expo, Firebase, Xcode, Android Studio

Programming Languages: JavaScript, TypeScript, Swift, Java

Frontend: React, Next.js, Tailwind CSS

Backend: Node.js, Express.js

Databases: MongoDB, Firestore

DevOps: Docker, Git

LANGUAGES & INTERESTS

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

Interests: Football, Reading, Competitive Programming