

Mohammed Messlohi

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Professional Summary

Full-Stack Software Engineer with over 4 years of experience architecting distributed systems and scalable enterprise web applications. Proven track record of migrating legacy monoliths to modern microservices, optimizing asynchronous message queues, and delivering highly secure, regulatory-compliant solutions in the healthcare and corporate sectors. Expert in Java, Spring Boot, Angular, and React, with a strong focus on automation and CI/CD efficiency.

Skills & Technologies

- **Languages:** Java (8/11/17), Python, JavaScript, TypeScript, SQL
- **Frameworks:** Spring Boot, Angular, React, Ionic
- **Tools & Platforms:** Jenkins, Firebase, OCI, RabbitMQ, Docker, CI/CD, OJET
- **Database:** MySQL, Oracle DB
- **Operating Systems:** Linux (Bash), Windows

Professional Experience

Software Engineer Specialist

Dedalus — Dec 2024 – Present

- **Engineered secure, full-stack application features** from UI/UX mockups, utilizing Angular for responsive front-ends and Java for data management, which collectively reduced page load times by **50%** across critical healthcare web applications.
- **Architected a reusable component library** for large-scale production applications, accelerating front-end development delivery cycles.
- **Collaborated with functional analysts** to build domain-aligned back-end services, ensuring **100%** alignment with complex clinical business logic.
- **Delivered features under strict regulatory compliance constraints**, improving overall data validation accuracy and stabilizing critical laboratory environments..
- **Tech Stack:** Java, Spring Boot, Angular.

Software Engineer

Oracle — Sep 2022 – Oct 2024

- **Spearheaded the migration** of a legacy monolithic Spring application to a distributed microservices architecture, enhancing system scalability to handle **35%** more daily traffic.
- **Designed and implemented optimized microservices** using RabbitMQ message queues, eliminating data processing bottlenecks and boosting asynchronous message throughput.
- **Delivered full-stack features** for enterprise applications with intuitive UX.
- **Automated critical engineering workflows**, including a custom Java archive modification tracking tool integrated into the CI/CD pipeline, saving the team hours of manual effort weekly.
- **Evaluated and screened 10+ technical candidates** during code interviews, directly contributing to scaling the engineering team with top-tier talent.

PFE Internship – Research Assistant

Oracle — Apr 2022 – Oct 2022

- **Integrated RabbitMQ message queues** into core infrastructure, optimizing server request management and improving asynchronous background task processing efficiency
- **Développé des API d'entreprise et automatisé des scripts** de résolution de tickets, réduisant le temps de traitement des incidents système.
- **Tech Stack:** Java, Spring Boot, Jenkins, OJET, Angular , CI/CD, OCI...

Application Internship

IUR(International University of Rabat) — Jul 2021 – Oct 2021

- **Developed a cross-platform e-tourism mobile application** as part of a regional project supported by the Rabat-Sale-Kenitra region. The app allowed users to explore local destinations, access tourist information, and plan their visits. The project involved backend integration, database design and management, and the development of a user-friendly interface.
- **Tech Stack:** Angular, Ionic, Django, Python

Initiation Internship

ENSA Fez — Jul 2020 – Oct 2020

- **Built a social-networking Android application** using Java and Firebase, facilitating real-time learner-teacher interactions.
- **Tech Stack:** Java, Firebase

Education

- Engineering Cycle in Computer Science – ENSA Fez (2019 – 2022)
- Bachelor's Degree in English Studies – FLS Fez (2018 – 2021)
- Integrated Preparatory Cycle – ENSA Fez (2017 – 2019)
- Bachelor of Science in Physics – Fez (2018)
- Bachelor of Science in Mathematics – Ibn Haytam High School, Fez (2017)

Selected Projects

- **Real-time Chat App:** Engineered an instantaneous messaging platform using React, WebSocket, and WebRTC to achieve ultra-low latency audio/video channels.
- **E-Commerce Platform:** Built a comprehensive full-stack ecosystem featuring a modern UI, responsive mobile views, and an administration dashboard for inventory metrics.
- **AR Shopping App:** Created a B2C Android mobile application integrating Google AR Core and Stripe API to enable seamless, secure augmented reality payments.
- **Inventory Management System:** Desktop application for stock/order management using C#.

Languages

- **Arabic:** Native
- **English:** Fluent
- **French:** Proficient