

PROFILE

Early-career **Full-Stack Software Engineer** with experience building production applications across frontend, backend, databases, and cloud infrastructure. Experienced with **React/Next.js, TypeScript, Java/Spring Boot, PostgreSQL, REST APIs, microservices, and distributed systems**, with hands-on experience in testing, automation, and cloud environments.

EDUCATION

- **Higher School of Technical Education, Hassan II University**
Master of Engineering (M.Eng.) in Software Engineering

Mohammedia
Sep. 2023 – July 2026
- **Higher School of Technology, Ibn Zohr University**
University Diploma in Information Technology

Guelmim
Oct. 2021 – June 2023

EXPERIENCE

- **Oracle**
Software Engineering Research Assistant

Casablanca
Mar. 2026 – Aug. 2026

- Developed production-facing OCI Database Services interfaces using **React** and Oracle Redwood UI, implementing reusable components and end-to-end user workflows.
 - Engineered a scalable **Playwright** E2E testing architecture using the Page Object Model, supporting both live environments and mocked APIs.
 - Built Node.js automation workflows integrating internal APIs and **JIRA** to streamline engineering operations and multi-region deployment processes.
- **American Language Center**
Software Engineering Intern

Mohammedia
July 2025 – Sep. 2025

- Designed and developed a full-stack evaluation management platform using **Next.js** and **Spring Boot**, replacing spreadsheet-based workflows with a centralized application.
 - Developed Spring Boot REST APIs, business logic, authentication, and data-management workflows supporting the platform’s frontend and evaluation processes.
 - Integrated an AI-powered **RAG** chatbot, connecting LLM-based responses with organizational and educational data.
- **Global Media and Events Services**
Full-Stack Development Intern

Imouzzer Kandar
Apr. 2023 – July 2023

- Developed a full-stack digital press platform using **PHP**, MySQL, JavaScript, HTML, and CSS, implementing application logic, database operations, and user-facing workflows.
 - Managed Linux-based cloud deployments and server infrastructure, configuring application environments and supporting production deployments.
- **Al Akhawayn University**
Information Technology Intern

Ifrane
Jul. 2022 – Aug. 2022

- Developed custom **CMS** components to extend website functionality and support institution-specific requirements.
 - Assisted with network monitoring and IT security activities within the university’s IT infrastructure.

PROJECTS

- **Microservices Banking Platform:** Engineered a distributed banking platform using **Spring Boot microservices**, Eureka service discovery, Kafka-based asynchronous communication, and CQRS/Event Sourcing with Axon Framework. Implemented security with Spring Security, OAuth2/OIDC, Keycloak, and JWT, with Docker for containerization.
- **Software Engineering Mastery:** Built an interactive learning platform covering **data structures, algorithms, OOP, databases, operating systems, and system design** through flashcards, quizzes, debugging, matching, and ordering exercises, with AI-powered question generation using LLM APIs and PostgreSQL-backed learning data.
- **Offline-First Mobile App:** Constructed a cross-platform mobile application for exploring historical stories, characters, and places using an **offline-first architecture**, with SQLite for local persistence, PowerSync for synchronization, Supabase for backend services, and Zustand for state management.

TECHNICAL SKILLS

Languages: Java, TypeScript, Python, SQL, PHP
Frontend: React, Next.js, Tailwind CSS, HTML/CSS
Backend: Spring Boot, Spring Cloud, Node.js, REST APIs, Microservices, Hibernate/JPA
Databases: PostgreSQL, MySQL, MongoDB, Redis, SQLite
Distributed Systems & Messaging: Apache Kafka, Event-Driven Architecture, CQRS/Event Sourcing, Service Discovery
Cloud & DevOps: Oracle Cloud Infrastructure (OCI), Azure, Docker, CI/CD, Linux, Vercel
Security & Testing: Spring Security, OAuth2/OIDC, JWT, Playwright, E2E Testing
AI/ML: Retrieval-Augmented Generation (RAG), LLM APIs, Vector Search & Vector Databases