



# Ayoub EL MAALMI

## Fullstack Developer – Java / Kotlin (Spring Boot)

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[GitHub](#) • [LinkedIn](#) • [Medium](#)

### Profile

Fullstack Java/Kotlin Developer with hands-on experience building backend services and preparing applications for cloud environments. Focused on delivering reliable and scalable solutions through clean code and close collaboration with teams.

### Core Competencies

**Backend Development:** Java, Kotlin, Spring/Spring Boot, Spring Ecosystem, RESTful APIs

**Frontend Development:** React, TypeScript, JavaScript, Tailwind CSS

**Databases:** PostgreSQL, MySQL, MongoDB, Oracle Database

**DevOps & Code Quality:** Oracle Cloud Infrastructure (OCI), Jenkins, Git, Docker, CI/CD Pipelines, JUnit, Mockito

### Technical Knowledge

**Languages & Frameworks:** Python, Kotlin Multiplatform (KMM), Angular, FastAPI, React Native

**Databases & Storage:** Firebase, Redis

**Cloud & Platforms:** AWS, Cloud Fundamentals

**Concepts:** Agile/Scrum, Microservices, Hexagonal Architecture, Responsive Design

### Professional Experience

#### Fullstack Developer – 2SIS

Oct 2025 – Present | Freelance | Remote

- Built a mobile application with shared business logic, ensuring consistency and scalability.
- Architected a PSP integration, handling 1000 transactions daily with a 99.9% success rate through rigorous error-management.
- Worked with stakeholders to improve and maintain a real-world car reservation system.

**Stack:** Java, Spring Boot, PostgreSQL, REST APIs, Kotlin, KMM, Git, CI/CD

#### Software Engineer – Oracle (Java Platform)

Feb 2025 – Aug 2025 | Internship | Casablanca, Morocco

- Automated JMS product reporting, reducing manual effort by 90% and providing leadership with real-time KPI visibility on OCI using Java and Spring Boot.
- Engineered a JMS-based data pipeline for automated ingestion and transformation, eliminating manual data entry errors and ensuring data integrity across environments.
- Developed an interactive dashboard using Chart.js to allow stakeholders to visualize and extract actionable business insights from JMS usage data.
- Deployed containerized microservices to OCI production environments using Terraform for Infrastructure as Code (IaC).

**Stack:** Java, Spring Boot, Python, Shell, JavaScript, Chart.js, Oracle Database, Jenkins, OCI, Terraform

#### Fullstack Developer – OkayEnergy

Apr 2023 – May 2023 | Internship | Meknes, Morocco

- Developed a mobile application for monitoring and simulating budgets related to gas stations.
- Collaborated with non-technical stakeholders to translate business needs into functional application features.

**Stack:** Java, Spring Boot, Kotlin, XML, React

#### Backend Java Developer – 2R FLECHE

Apr 2022 – Jul 2022 | Internship | Remote

- Developed RESTful backend services for an e-commerce platform and handled deployment on AWS.
- Collaborated with the team to improve API reliability, maintainability, and deployment stability.

**Stack:** Java, AWS, REST APIs, MySQL, JWT

### Projects

**Morocco Tourism App [Demo]:** Fullstack tourism platform with a microservices-based backend exposing REST APIs and a React frontend. Includes data aggregation, AI-powered content assistance via LLM APIs, and containerized deployment.

**Stack:** Java, Spring Boot, REST APIs, PostgreSQL, Python (FastAPI), LLM APIs, React, Docker, Nginx

**Custom Java Testing Framework [GitHub]:** Lightweight testing framework using Java annotations and reflection to execute tests and generate reports.

**Stack:** Java, Reflection API, Annotations, Maven, Unit Testing

### Education

**Master's Degree in Software Quality Engineering (Bac+5)** – USMBA, Fez, Morocco

2023 – 2025

**Bachelor's Degree in Information Systems Development (Bac+3)** – EST, Meknes, Morocco

2022 – 2023

**University Diploma of Technology (DUT) in Computer Engineering (Bac+2)** – EST, Meknes, Morocco

2020 – 2022

### Certifications & Languages

**Languages:** Arabic (Native), French (Professional – B2), English (Professional – B2)

**Certifications:** OCI Certified Foundations Associate, Google Foundations of Project Management

### Interests

Reading and Writing, Football, Cooking