



# MEHDI BOUDAR

Full Stack Software Engineer

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## Profile

Full Stack Engineer graduated from EMSI, I led two industrial projects (HR and laboratory automation), reduced development time by 30%, and deployed scalable solutions. I am available from July 2025 to design high-value applications.

## Technical Skills

### Languages

- C++, Java, PHP, Python, C#.

### Systemic Architectures

- Microservices, Docker.

### Back-End

- Spring Boot, Hibernate, Entity Framework, Flask, ASP.NET Core, Spring Cloud.

### Front-End

- Angular, React.js, Vue.js, HTML5, CSS3, JavaScript, TypeScript, Bootstrap, Sass

### Messaging & API

- REST, GraphQL, Apache Kafka, Firebase

### Design and Conception

- Design Patterns, UML, Merise.

### Data Bases

- Oracle (PL/SQL), MySQL, SQLServer (Transact-SQL), MongoDB, Redis, PostgreSQL.

### Tools & Methodologies

- Git, Agile Scrum, Jira, Postman

### Security

- OAuth 2.0, JWT.

### Containerization / Orchestration

- Docker.

## Soft Skills

- Teamwork
- Time Management
- Problem Solving
- Adaptability

## Languages

- English: Bilingual
- French : Fluent
- Arabic : Native

## Professional Experience

### Orange Maroc – Development Engineer (Final-Year Internship)

Rabat | Mar 2025 – Aug 2025

- Designed and developed a laboratory automation web application (Member/Admin/Super-admin interfaces): +40 % traceability.
- Implemented an AI chatbot via external APIs: +25 % in user support efficiency.
- Deployed containerized solution on Docker and Kubernetes: x3 faster scalability.
- Secured authentication with JWT.

**Tech Stack:** Spring Frameworks, Jwt, Feign Client, JPA, Apache Kafka, Firebase, Angular, MySQL, Git, Agile Scrum, Jira, Postman.

### Lanoria – Intern

Rabat | Jul 2024 – Sep 2024

- Developed an HR web application for managing employees, clients, and users.
- Implemented secure authentication (JWT, OAuth 2.0).

**Tech Stack:** Spring Frameworks, JPA, Spring Security, JWT Angular, MySQL, Git, Agile Scrum

### YOS Etudes – Intern

Rabat | Jul 2023 – Sep 2023

- Designed and developed a human resources management application.
- Employee, roles and salary management systems.
- Implemented secure JWT-based authentication.

**Tech Stack:** Spring Frameworks, JPA, Spring Security, JWT Angular, MySQL, Git, Agile Scrum

## Education

- 2022 – 2025 : Master's in Applied Computer Methods for Business Management, **EMSI Rabat**
- 2019 – 2021 : DTS in Software Developpement, **ISTA NTIC, Rabat**
- 2017 – 2018 : Baccalaureate in Experimental Sciences (Physics), **Imam El Ghazali, Témara**

## Projets académiques

- **Freelance Platform** – (Java/Spring Boot/Angular)
  - Project management, clients, invoices, automated payments, time tracking, real-time messaging.
  - Real-time notification system.
  - Secure authentication with JWT and Spring Security.
- **Conference Management System** – (Python/Flask/JavaScript)
  - Session scheduling, participant management, evaluation module.
- **Application RH** – (Spring Boot/Angular)
  - Suivi employés, Gestion du temps, Gestion des utilisateurs.

## Certifications

- Oracle Certified Professional: Java SE 17 Developer (**1Z0-829**).
- Oracle Database Administration (**1Z0-082**).
- Building AI Powered Chatbots Without Programming (IBM)
- DevOps on AWS : Code, Build, and Test (Amazon Web Services)
- Programming for the Internet of Things Project (UV of California)
- Capstone: Retrieving, Processing, and Visualizing Data with Python (UV of Michigan)
- Using Python to Access Web Data (UV of Michigan)