

# ZERRAD OUSSAMA

Full-Stack Developer SPRING BOOT | ANGULAR



## CONTACT

+212 6 91 66 83 93  
zedussama@gmail.com  
linkedin.com/in/oussama-zerrad/  
github.com/Zerrad0z

## EDUCATION

[2022-2024]Master's in Software Engineering  
ENSA Kénitra

[Dec 2021-Aug 2022]Specialization Training in JAVA/J2EE ORACLE  
ANAPEC Rabat

## CERTIFICATIONS

- Fundamentals of Java Programming (Board Infinity)
- JavaScript programming essentials (IBM)
- Databases and SQL for Data Science (IBM)
- Java programming (SoloLearn)

## SKILLS

**Programming:** JAVA, C, CSS, HTML, JavaScript/TypeScript, SQL, PL/SQL, HQL, GML  
**Frameworks:** Spring Boot, React, Angular, Swing, JavaFX  
**Databases:** MySQL, Oracle, SQL Server, MongoDB, PostgreSQL  
**Tools:** Git, SonarQube, Jenkins, Maven, Docker, Postman, VSCode, IntelliJ IDEA, LaTeX, Adobe CC, Office Suite  
**Methodologies:** Merise, UML, Agile/Scrum

## LANGUAGES

English	Professional
French	Fluent
Arabic	Native

## EXPERIENCE

[Mar 2025 - Jul 2025]Freelance Project — ONCF Kenitra  
Modernization and AI-Enhanced Automation of a Legacy System for field data collection and analysis.

- Implementation of a data traceability and audit system.
- Implementation of advanced filtering, analysis, and statistical report generation tools.
- Creation of an intuitive user interface adapted to business needs.
- Introduction of an artificial intelligence-based approach, inspired by the MCP concept, integrating intelligent agents to automate repetitive tasks.
- Technologies: Java 17, Spring Boot, Spring AI, Ollama, Oracledb, Postman, JUnit, Mockito, Swagger API, JWT, Docker, Jira

[Nov 2024 - Feb 2025]Freelance Project — IT Ticketing System  
Development of a ticket management application for IT support in a CNC workshop.

- Design and implementation of a RESTful API with Spring Boot and Swagger/OpenAPI documentation
- Development of an interface with JavaFX.
- Implementation of a role-based system (Employees/IT Support).
- Implementation of key features: ticket creation, status tracking, audit system
- Unit testing with JUnit and Mockito.
- Application containerization with Docker.
- Technologies: Java 17, Spring Boot, Oracle SQL, Java Swing, Docker, JUnit, Mockito, Postman, Swagger API, Jira

[Feb 2024 - Sep 2024]Final Year Internship — National Railway Office (ONCF) Rabat

Design and Development of an API platform for information systems integration within an ERP system.

- Design and implementation of a centralized platform with Spring Boot and Angular.
- Implementation of a multi-level authentication and authorization system with Spring Security and JWT.
- Implementation of key REST API features:
  - User management
  - API cataloging
  - Authorization requests
  - Usage tracking
- Development of a real-time notification system for request status changes.
- Use of Oracle Database and Spring Data JPA for efficient data management.
- Implementation of robust security measures, including API key management
- Integration of Swagger for API documentation.
- Development of unit tests with JUnit 5 and Mockito for backend services.
- Implementation of integration tests for REST APIs.
- Contribution to frontend interface development with Angular.
- Deployment with Docker for containerization.
- Application of Scrum methodology for agile project management.
- Technologies: Java 17, Spring Boot, Angular 17, Oracle, JUnit, Mockito, Docker, Git, JWT, Postman, Swagger, Jira

[Jan 2021 - Mar 2021]Software Developer — 3M PRECISION Rabat  
Development of a Complete Web Application for Inventory Management designed to optimize inventory control and facilitate real-time product tracking.

- Authentication and Authorization:
  - Implemented a robust security system using JWT to ensure secure authentication and authorization.
  - Applied role-based access controls to restrict features based on user permissions.
- CRUD functionalities for product management and user interface with React/Bootstrap
- Technologies: Java/JEE, JSP, React, Hibernate, SQL, Docker, Git