

# Wafae Elhassani

## Software Engineer

Sale, Morocco

+212 608 274 085

✉ [wafae.elhassani.cs@gmail.com](mailto:wafae.elhassani.cs@gmail.com)

🌐 [LinkedIn](#)

🐙 [GitHub](#)

🌐 [Portfolio](#)

## Experience

### Bank Al-Maghrib

*Software Engineer Intern*

**Feb 2024 - Jul 2024**

*Rabat, Morocco · On-site*

- Developed a web application for digitizing the backup and archiving process using Spring Boot, Angular, and PostgreSQL.
- Reduced bugs by 80% through rigorous testing with JUnit 5 and Postman.
- Improved code maintainability and reduced technical debt by 50% with SonarQube.
- Created a CI/CD pipeline and managed GitLab, implementing automated deployments with Jenkins, increasing deployment speed by 50%.
- Deployed the solution on AWS using RedHat Linux and MobaXterm for SSH connections.
- Enhanced performance with real-time dashboards and notifications, improving monitoring and data visualization by 30%.

### OMDATA Consulting

*Software Engineer Intern*

**Jul 2023 - Aug 2023**

*Nantes, France · Remote*

- Enhanced the online presence of a restaurant with a dynamic website and an administration application using PHP, JavaScript, HTML, CSS, AJAX, and Bootstrap.
- Increased operational efficiency by 30% with a real-time dashboard.
- Managed database tasks to ensure data integrity and optimize performance.
- Launched the system on the server for seamless online operation.

## Education

### National School of Applied Sciences

*State Engineer in Computer Science with a specialization in Software Engineering*

**Sep. 2021 – Jul 2024**

*Al-Hoceima, Morocco*

### High School Moulay Youssef

*Preparatory Classes for Engineering Schools (CPGE), Option MP*

**2017 – 2021**

*Rabat, Morocco*

### High School Salama Mossadeq

*Baccalaureate in Physical Sciences, highest honors*

**2016 – 2017**

*Sale, Morocco*

## Technical Skills

**Languages:** C/C++, HTML/CSS, Java/J2EE, JavaScript, PHP, Python, SQL

**Frameworks:** Angular, React.js Bootstrap, Express.js, Node.js, Spring Boot, Spring Data, Spring Security

**Technologies/Tools:** Docker, Kubernetes, Linux, Git, GitHub, GitLab, Jenkins, JUnit, Nexus, SonarQube, API

## Projects

**E-Commerce Web Application (In progress)** | *Spring Boot, Spring Data, Spring Security, Spring Batch, JUnit 5, React, PostgreSQL, Git, GitHub, Eureka, Spring Cloud Config, Spring Cloud Gateway, Docker, Jenkins, Kubernetes, UML, Scrum*

- Architected an e-commerce application using a microservices architecture.

**Smart Home Management System Web Application (In progress)** | *Spring Boot, Spring Data, Spring Security, Spring Batch, JUnit 5, Angular, Angular Material, PostgreSQL, RabbitMQ, MongoDB, Redis, Git, GitHub, Eureka, Spring Cloud Config, Spring Cloud Gateway, Docker, Jenkins, Kubernetes, IBM Watson Speech to Text, Dialogflow, UML, Scrum*

- Designed and implemented a smart home management system with microservices architecture, integrating a chatbot and voice assistant.

**Shared Bill Tip Calculator Mobile App** | *Java, XML, Firebase, Android Studio*

- Created an Android app for calculating shared bills and tips, including authentication and data storage.

**Contact Management Web Application** | *Spring Boot, Spring Data, Thymeleaf, MariaDB*

- Built a web application for contact management with CRUD operations, search functionality, and a responsive UI.

**Final Project and Thesis Defense Management Application** | *Java, JavaFX, XML, Scene Builder*

- Developed an application to manage final projects and schedule thesis defenses efficiently.

## Certifications

- Career Essentials in Generative AI by Microsoft and LinkedIn
- Career Essentials in GitHub by Microsoft and LinkedIn
- AWS Cloud Technical Essentials (AWS)
- Java Programming (Duke University)
- Optimize Your Microservices Architecture