Wafae Elhassani
Software Engineer

Sale, Morocco

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Experience

Bank Al-Maghrib   **Feb 2024 - Jul 2024**
Software Engineer Intern   *Rabat, Morocco · On-site*

- Developed a web application for digitizing the backup and archiving process using Spring Boot, Spring Data, Spring Security, JWT, PostgreSQL, Angular, and PrimeNG.
- Conducted testing with JUnit 5 and Postman, reducing bugs by 80%.
- Analyzed code quality with SonarQube, ensuring maintainability and reducing technical debt.
- Created CI/CD pipeline and managed the GitLab repository, including webhook creation for automated deployments using Jenkins.
- Deployed the solution on RedHat Linux and AWS using MobaXterm and Jenkins.
- Created dashboards for real-time metrics, and Implemented real-time notifications using SMTP for instant user updates.

OMDATA Consulting   **Jul 2023 - Aug 2023**
Software Engineer Intern   *Nantes, France · Remote*

- Enhanced the online presence of a restaurant through a dynamic website and administration application using PHP, JavaScript, HTML, CSS, AJAX, and Bootstrap.
- Added a dashboard for real-time metrics, improving operational efficiency .
- Managed database tasks to ensure data integrity and performance optimization.
- Deployed the system on the server for seamless online operation.

Education

National School of Applied Sciences   **Sep. 2021 – Jul 2024**
State Engineer in Computer Science with a specialization in Software Engineering   Al-Hoceima, Morocco

High School Moulay Youssef   **2017 – 2021**
Preparatory Classes for Engineering Schools (CPGE), Option MP   Rabat, Morocco

High School Salama Mossadeq   **2016 – 2017**
Baccalaureate in Physical Sciences, highest honors   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 | *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*

- Designed, developed, and deployed an e-commerce application using a microservices architecture.

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

- Designed, developed, and deployed a smart home management system using a microservices architecture, integrating a chatbot and a voice assistant.

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

- Designed and developed an Android app for calculating shared bills and tips, ensuring authentication and storing data.

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

- Developed a web application to manage contacts with CRUD operations, search functionality, and responsive UI design.

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

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

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