

Mohammed EL WAHABI

Java/Spring/Angular Developer

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Professional Experience

Mars. 2022 – **Software Engineer Developer, SQLI, Rabat**

Present **Nespresso Project:**

- Backend development and maintenance for managing orders, stock, customer subscriptions, and marketing campaigns.
- Design of robust REST APIs using Java Spring, ensuring interoperability between frontend modules, CRM, ERP, and other third-party systems.
- Implementation of critical features: real-time order tracking, dynamic promotion management, personalized offers based on customer segments.
- Proactive resolution of production bugs, improving stability and reducing service interruptions.
- Participation in functional analysis and co-design workshops with business teams to propose viable technical solutions.
- Writing technical specifications, documentation, and knowledge sharing to facilitate onboarding and project continuity.
- Contribution to development estimations using story points and coordination within an Agile/Scrum framework.
- Cross-functional collaboration with frontend, DevOps, and QA teams to ensure delivery quality, security, and scalability.
- Implementation of unit, integration, and load tests to ensure performance and reliability.
- Deployment automation, server configuration, and environment management using Ansible.

Environment: Hybris 5.7/6.3, Java 1.8, Spring, Swagger, Jira, Bitbucket, Jenkins, SOAP UI, Postman, IntelliJ

Summer 2021 **Software Engineering Intern, Screenday (Startup), Remote/Morocco**

Delivery System Project:

- Developed a full-stack delivery management system facilitating transactions between businesses and individuals.
- Built the backend using Spring Boot, implementing secure REST APIs and handling core business logic.
- Created the frontend using Angular, providing a responsive interface for users and administrators.
- Wrote and maintained unit tests to ensure reliability and facilitate future code changes.
- Deployed the application to a production environment, managing server setup and ensuring availability.
- Gained hands-on experience in delivering end-to-end software solutions in a startup environment.

Environment: Spring Boot, Angular, REST API, JUnit, Git, Linux

Certifications

Oracle Certified Professional: Java SE 21 Developer

Oracle Certified Professional: Java SE 17 Developer

AWS Certified Developer - Associate certification

Education

2019–2022 **State Engineer Degree in Computer Science, Bac+5,**
Mohammed VI International Academy of Civil Aviation

2017–2019 **Preparatory Class Moulay Idriss Fes, Bac+5,**
Moulay Idriss Fes

2017 **Baccalaureate in Mathematical Sciences B Option,**
Moulay Idriss High School

Side Projects

Personal Portfolio Website

Project: Built a modern personal portfolio website to showcase my background, projects, and skills.

- Developed using React and Next.js to leverage server-side rendering (SSR) and enhance performance.
- Implemented responsive UI components, SEO optimization, and clean design.
- Deployed on a personal server with SSL certificate management.

Environment: React, Next.js, CSS Modules, Vercel/Nginx

Mock API Generator Service

Project: Developed a backend service to help frontend developers quickly mock APIs for development and testing purposes.

- Allowed users to define mock endpoints by specifying the HTTP method, request body, and the desired response.
- Stored mock configurations in a flexible, schema-less structure using MongoDB.
- Enabled dynamic endpoint matching and response handling without restarting or redeploying the service.
- Included features like request validation, configurable response delays, and JSON schema enforcement.
- Exposed a simple admin interface to manage mock routes and view request logs.

Environment: Spring Boot, MongoDB, REST API, Docker

Real-Time Chat Application

Project: Developed a multi-user real-time messaging platform with distributed session and message management.

- Used RabbitMQ as a message broker to handle communication between users and chatrooms.
- Managed user sessions and online presence with Redis.
- Stored user information in MySQL (authentication, roles, preferences).
- Persisted messages in Cassandra for scalability and high availability.
- Implemented WebSockets for real-time communication, including chatroom handling and message history.

Environment: Spring Boot, RabbitMQ, Redis, Cassandra, MySQL, WebSocket, Docker

Skills

Backend Technologies:

- Java (J2EE/Jakarta EE), Spring Framework (Spring Boot, Spring IoC/DI, Spring AOP)
- ORM: Hibernate, JPA (Java Persistence API), Spring Data JPA
- Web Services: RESTful, SOAP
- Build Tools: Maven, Gradle

Data Management:

- ORM: Spring Data JPA, Spring Data MongoDB
- Caching: Redis, In-Memory Data Grid
- Data Migration: ETL, Database Migration

Frontend Technologies:

- Languages: HTML5, CSS3, JavaScript ES6+/TypeScript
- Frameworks: Angular (17+), React
- UI/UX: Bootstrap, Material Design, Responsive Design

Testing & Quality:

- Backend Testing: JUnit 5, Mockito, TestNG
- TDD/BDD: Cucumber, Behavior Driven Development
- Quality Assurance: SonarQube, Clean Code, Grafana

API & Security:

- Web Services: RESTful APIs, API Gateway
- Security: JWT (JSON Web Tokens), OAuth2, Spring Security
- Documentation: Swagger/OpenAPI

Databases:

- SQL: MySQL, PostgreSQL, Oracle
- NoSQL: MongoDB
- ORM Tools: Hibernate, JPA
- Data Modeling: SQL, ACID

Architecture & Design:

- Patterns: Microservices Architecture, Monolithic, MVC
- Messaging: Apache Kafka, Event-Driven Architecture

DevOps & Cloud:

- Containerization: Docker, Container Orchestration
- CI/CD: Jenkins, Continuous Integration/Deployment
- Version Control: Git, GitHub, Bitbucket, GitLab

Languages

Arabic (native language)

English (good level)

French (good level)