

Amr HADDY

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Full-Stack Developer (Java/Angular)

PROFESSIONAL EXPERIENCE

Maroc Telecom – Full-Stack Developer | Morocco, Rabat (Freelance)

November 2023 - November 2024 (12 months)

Project: AVIT & SDR

- ❖ **Complete migration** of applications from **AngularJS/Spring MVC** to **Angular 14/Spring Boot 2.7.18**.
- ❖ **Responsible for backend migration and frontend development participation.**

✓ Project Scope:

- **Modernized** legacy monolithic applications into a **modular and scalable architecture**.
- Migrated the **backend from Spring MVC to Spring Boot 2.7.18** to improve performance and maintainability.
- Refactored the **frontend from AngularJS to Angular 14**, optimizing the design and **state management**.
- **Enhanced security** using **Spring Security (LDAP, JWT)** and implemented role-based access control.
- Implemented **batch processing** to handle large data volumes efficiently.
- **Optimized performance and refactored code** to ensure better stability.

✓ Responsibilities:

- Backend:

- Migrated **legacy code** from **Spring MVC to Spring Boot 2.7.18**, maintaining key functionalities.
- Refactored **REST APIs** to improve **scalability** and request management.
- Implemented **Spring Security with LDAP** for authentication and **role-based access control**.
- Optimized **SQL queries and transaction management** with Hibernate.
- Developed **asynchronous batch processing** with **Spring Batch** to enhance data processing efficiency.

- Frontend:

- Fully migrated **AngularJS to Angular 14**, revamping **UI/UX**.
- Developed **reusable components** to enhance maintainability.
- Integrated **Material UI** for a modern and ergonomic design.
- Implemented **Lazy Loading** to optimize page load performance.
- Advanced **role and permission management** using **Angular Guards**.

- Tools & Technologies:

- **Backend:** Java, Spring Framework, Spring Boot 2.7.18, Spring Security (JWT, LDAP), Spring Data JPA, Hibernate, Spring Batch, REST APIs.
- **Frontend:** Angular 14, AngularJS, TypeScript, Bootstrap, Material UI.
- **Database:** MySQL with SQL optimization and **ACID transactions**.
- **Development Tools:** Jira, Postman, GitLab, Jenkins.

Project: DPPI MOBILE

- ❖ **Developed from scratch** a web application allowing third-party operators to share **GSM infrastructure**.
- ❖ **Responsible for both backend and frontend development**.
- ✓ **Project Scope:**
 - Implemented a **modular and scalable architecture** using **Spring Boot, Angular, and MySQL**.
 - Developed the **user interface with Angular** for seamless **GSM infrastructure management**.
 - Secured access using **Spring Security (LDAP, JWT)** and managed **user roles**.
 - Integrated **REST APIs** to handle **data exchanges between operators**.
 - Developed a **tracking and reporting system** to generate **dynamic dashboards**.
- ✓ **Responsibilities:**
 - **Backend:**
 - Designed and developed **secure REST APIs** with **Spring Boot 2.7.18**.
 - Managed **authentication with LDAP and JWT** to ensure **secure access**.
 - Implemented an **advanced search engine** for **GSM infrastructure**.
 - Developed **transactional services** to facilitate smooth communication between operators.
 - Managed **asynchronous tasks** using **Spring Batch**.
 - **Frontend:**
 - Developed the **Angular application** with **reusable components** and **Material UI**.
 - Integrated **charts and dynamic tables** for **real-time statistics visualization**.
 - Optimized **rendering and data loading** using **Lazy Loading**.
 - Managed **roles and permissions** at the UI level using **Angular Guards**.
 - **Tools & Technologies:**
 - **Backend:** Java, Spring Framework, Spring Boot 2.7.18, Spring Security (JWT, LDAP), Spring Data JPA, Hibernate, Spring Batch, REST APIs.
 - **Frontend:** Angular 14, TypeScript, Bootstrap, Material UI.
 - **Database:** MySQL with SQL optimization and ACID transactions.
 - **Development Tools:** Jira, Postman, GitLab, Jenkins.

SoftCode – Full-Stack Developer | Morocco, Rabat (Freelance)

February 2022 - October 2023 (20 months)

Project: Vehicle Fleet Management System

- ❖ **Application maintenance and optimization** for a logistics company's fleet management web system.
- ❖ **Development and enhancement** of the billing and configuration module to optimize performance and user experience.
- ✓ **Project Scope:**
 - **Development of Web Services** for the billing module using **Spring Boot**, integrating new features to automate invoice management.
 - **Optimization of the configuration module** to improve customization and solution flexibility.
 - **UI/UX redesign of the billing views** to enhance the user experience.
 - **Adaptation of SQL scripts** to ensure a smooth migration of existing data.
- ✓ **Responsibilities:**
 - **Backend:**
 - **Development of secure REST APIs** using **Spring Boot** for invoice and configuration management.
 - **Optimization of SQL queries** to improve the performance of invoice processing and configuration.
 - **Implementation of advanced transaction management** using **Hibernate** to ensure data integrity.
 - **Frontend:**
 - **Development of user interfaces using Angular 13**, with a focus on UI/UX improvements.
 - **Integration of dynamic and reactive components** to facilitate invoice and configuration management.
 - **Implementation of analytical dashboards** with interactive charts for optimized tracking.

- **Tools & Technologies:**
 - **Backend:** Java, Spring Framework, Spring Boot 2.2.3, Spring Security (JWT), Spring Data JPA, Hibernate, Spring Batch, REST APIs.
 - **Frontend:** Angular 13, TypeScript, Bootstrap, Material UI, Figma.
 - **Database:** MySQL optimized transactions.
 - **Development Tools:** Jira, Postman, GitLab, Jenkins.

Project: Beneficiary Management Platform for an NGO

- ❖ **Developed a complete web application** for managing **beneficiaries** of an NGO supporting people with disabilities.
- ❖ **Migrated the project from Laravel to Spring Boot & Angular 13.**
- ✓ **Project Scope:**
 - Designed the **database schema** to manage beneficiaries, their personal information, and assistance records.
 - Developed **REST APIs** for **CRUD operations** related to beneficiaries and their records.
 - Secured the application using **Spring Security (JWT)** to manage **user roles and permissions** (admin, staff, volunteers).
 - Implemented **reporting features** and **analytical dashboards** for better data visualization.
- ✓ **Responsibilities:**
 - **Backend:**
 - Developed **REST APIs** with **Spring Boot** for beneficiary management.
 - Implemented a **role and permission management system** to restrict access based on user profiles.
 - Optimized **SQL query performance** and **indexing** for fast data retrieval.
 - **Frontend:**
 - Built **dynamic and reactive user interfaces** with **Angular 13**.
 - Added **interactive components** to facilitate beneficiary management.
 - Implemented an **advanced filtering system** to streamline the search for assistance records.
 - **Tools & Technologies:**
 - **Backend:** Java, Spring Framework, Spring Boot 2.2.3, Spring Security (JWT), Spring Data JPA, Hibernate, REST APIs.
 - **Frontend:** Angular 13, TypeScript, Bootstrap, Material UI.
 - **Database:** MySQL optimized for complex queries.
 - **Development Tools:** Jira, Postman, GitLab, Jenkins.

USAKARGO – Full-Stack Developer | Turkey (Freelance)

March 2021 - April 2022 (13 months)

Project: Cargo Management & Tracking Platform

- ❖ **Developed a shipment management and tracking platform from scratch** for an **international logistics company**.
- ❖ **Led both backend and frontend development.**
- ✓ **Project Scope:**
 - Designed and developed a **web application** for managing shipments (**Front Office & Back Office**).
 - Implemented a **real-time cargo tracking system** with **delivery status updates**.
 - Integrated **APIs from international carriers** (FedEx, UPS, DHL, TNT, Aramex).
 - Developed and secured **REST web services** for managing **data exchanges** between carriers and clients.
 - Added an **interactive Google Maps feature** for **real-time cargo tracking**.
 - Deployed **version 1.0 in production** on a dedicated server.
- ✓ **Responsibilities:**
 - **Backend:**
 - Developed **secure REST APIs** with **Spring Boot**.

- Implemented a **role and permission management system** to restrict access based on user profiles.
- Implemented **Spring Security with JWT** to secure **user access**.
- Optimized **SQL queries** for **efficient real-time data processing**.
- **Frontend:**
 - Developed the **web application using Angular 11 and Tailwind CSS**.
 - Added **dynamic components** to display **shipment status in real-time**.
 - Integrated **Google Maps API** to visualize **cargo locations**.
 - Optimized **Lazy Loading and state management** for better **performance**.
- **Tools & Technologies:**
 - **Backend:** Java, Spring Boot 2.2.1, Spring Security (JWT), Spring Data JPA, Hibernate, REST APIs.
 - **Frontend:** Angular 11, TypeScript, Tailwind CSS.
 - **Database:** MySQL with optimized indexing.
 - **Development Tools:** Postman, GitLab.

Royal Gendarmerie – Sports Instructor (10 years)

October 2013 - November 2023

Profession: 10 years of service in Royal Gendarmerie, specializing in sports instruction.

EDUCATION & DEGREES

2021/09 - 2023/07	State Engineer Degree in Computer Science Specialization: Information Systems Engineering SUPMTI, Rabat, Morocco.
2020/09 – 2021/07	Professional Bachelor's Degree in Software Engineering SUPMTI, Rabat, Morocco.
2018/09 - 2020/07	Higher Technician Diploma in Software Development MIAGE, Rabat, Morocco.
2013 - 2016	Three-Year Training – Royal Gendarmerie Specialization: Sports Instructor Sports Center, Rabat, Morocco.
2011 - 2012	Scientific Baccaalaureate – Life and Earth Sciences Option Bab Sahara High School, Guelmim, Morocco.

OTHER CERTIFICATIONS

2016 **Basic Military Physical Education Certificate**

AREAS OF EXPERTISE

- ✓ **Analysis & Design:** Business needs analysis, formalization, and development of functional and technical specifications.
- ✓ **Application Development:** Full-stack development from scratch and/or TMA (Third-Party Application Maintenance), solution design, and implementation.
- ✓ **Architecture & Security:** Design of **monolithic and microservices architectures**, access management with **Spring Security (JWT, OAuth2, LDAP)**.
- ✓ **Web Development & API:** **Creation and integration of REST APIs**, performance optimization, and UX/UI improvements.
- ✓ **Deployment & DevOps:** **Workflow automation using CI/CD (Jenkins, GitLab CI/CD, Docker, Kubernetes)**.

- ✓ **Documentation & Quality:** Writing **technical and user documentation**, unit testing, integration testing, and **end-to-end (E2E) testing**.

SKILLS

- ✓ **Backend:** Java, Spring Framework, Spring Boot, Spring Security (JWT, LDAP), Hibernate, JPA, Spring Batch.
- ✓ **Frontend:** Angular, ReactJS, HTML5, CSS3, JavaScript (ES6+), Typescript, Bootstrap, Material UI, Chakra UI, Tailwind CSS.
- ✓ **Web & API:** RESTful API, SOAP, SOA, Monolithic, Microservices, MVC, MVVM, API Gateway, WebSockets.
- ✓ **Agile Practices:** Scrum, Kanban, Jira, Confluence, CI/CD, SOLID Principles, Clean Architecture.

LANGUAGES

Arabic	Native
French	Fluent (Communication + Technical)
English	Technical