

# Elmehdi Elhilali

Junior Software Engineer – Java / Full Stack

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## OBJECTIVE

Junior Java/Full-Stack Engineer who contributed to Morocco's Ministry of Health portal redesign and co-developed an AI-powered career guidance platform within Agile teams. Seeking to apply my full-stack skills in a collaborative environment focused on building secure, scalable software solutions.

## EDUCATION

**Diploma in Software Engineering**  
Ecole Nationale des Sciences Appliquées (ENSA)

2020 – 2025  
Khouribga, Morocco

## PROFESSIONAL EXPERIENCE

**Full-Stack Developer Intern – Java / React**  
Clever Council

Aug. 2025 – Jan. 2026  
Casablanca, Morocco

- Contributed to the complete redesign of the Ministry of Health and Social Protection portal within a 6-person Scrum team, developing Spring Boot microservices and a React frontend.
- Implemented a Document Management System that reduced document search and retrieval times.
- Integrated a Rasa chatbot that automated 80% of routine user queries on the Ministry portal.
- Led the migration of the database from MySQL to SQL Server using SSMA.
- Automated legacy document migration with Node.js scripts, cutting transfer time by 70%.
- Contributed to GitLab CI pipelines and optimized deployments with Nginx and PM2.

**Full-Stack Engineer Intern – Java / React**  
PowerGo

Mar. 2025 – Jul. 2025  
Casablanca, Morocco

- Co-developed Proway, an AI-assisted career guidance platform built on a resilient microservices architecture with Spring Boot
- Engineered backend services with RabbitMQ for asynchronous workflows and delivered a responsive React frontend using Vite, TypeScript, and reusable component patterns
- Secured the platform with Keycloak and documented REST APIs via Swagger/OpenAPI
- Ensured reliability through unit and integration tests with JUnit 5 and Mockito, covering core business flows

## PROJECTS

**Laboratory Management Application** | Java/Spring Boot & React

- Implemented microservices orchestrated via Spring Cloud Eureka, improving modularity and scalability.
- Integrated Keycloak authentication, reducing unauthorized access incidents.

**Online Quiz Platform** | Java/Spring Boot & Angular

- Developed microservices for user management and score tracking.
- Built Angular UI with Tailwind CSS.
- Automated deployment with GitHub Actions and Docker.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, SQL

**Backend:** Spring Boot, Node.js

**Frontend:** React (Vite, TypeScript), Angular, HTML5, CSS3, Tailwind CSS

**Databases:** MySQL, PostgreSQL, SQL Server, MongoDB

**DevOps:** Git, Github, GitLab CI/CD, Docker, PM2

**Testing:** JUnit, Mockito, Postman

**Security:** Keycloak, Spring Security

## LANGUAGES

**Arabic:** Native

**French:** Advanced

**English:** Professional working proficiency