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   2020 – 2025
Ecole Nationale des Sciences Appliquées (ENSA)   *Khouribga, Morocco*

PROFESSIONAL EXPERIENCE

Full-Stack Developer Intern – Java / React   Aug. 2025 – Jan. 2026
Clever Council   *Casablanca, Morocco*

- Contributed to the complete redesign and redevelopment of the Ministry of Health and Social Protection portal, including backend microservices (Spring Boot) and a React-based frontend.
- Designed and integrated a Document Management System, reducing 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, automating the data transfer process.
- Developed Node.js scripts to automate bulk download and upload of documents from the legacy Ministry website to the new platform, increasing processing efficiency by approximately 70% compared to manual handling.
- Implemented CI/CD pipelines with GitLab and optimized deployment using Nginx and PM2.

Full-Stack Engineer Intern – Java / React   Mar. 2025 – Jul. 2025
PowerGo   *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
AI / Chatbot: Rasa

LANGUAGES

Arabic: Native
French: Advanced
English: Professional working proficiency