



El-Merjani Mohamed

Software engineering student

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📍 Rabat, Morocco

I'm a **final-year** Software Engineering student at INPT and **Oracle Certified Professional Java 17 developer**. I have strong skills in Java backend development, a foundational understanding of cloud computing, and passionate about building could-native applications. Seeking **PFE internship** to build real-world experience.

🎓 Education

Software Engineering,

National Institute of Posts and Telecommunications (INPT) ✍

2023 – present | Rabat

Preparatory classes MPSI/MP, Omar Ibn Al-Khattab

2021 – 2023 | Meknes

📁 Projects

Multi-Vendor E-commerce Platform (In progress),

Full-featured Multi-Vendor E-commerce website built using Next.js and hosted on Vercel, designed to allow multiple sellers to manage their own storefronts and sell products through a unified marketplace ✍

Technologies: Next.js, Tailwind css, i18next, NextAuth, Prisma, PostgreSQL (hosted on Neon), Uploadthing

CashCard Application, Modular Real-time Transaction

Processing with Spring Cloud Stream ✍

Technologies : Java, Spring Cloud Stream, Kafka, Docker, Spring Boot Test, Testcontainers

Product Service, Stock Management using gRPC-based

Communication and asynchronous messaging ✍

Technologies: Spring Boot, Spring gRPC, Spring Cloud Stream (Kafka), Spring Data JPA, H2 Database, Kafka

🌐 Languages

Arabic	● ● ● ● ●
English	● ● ● ● ●
French	● ● ● ● ●

📄 Certificates

Oracle Certified Professional: Java SE 17 Developer



🧠 Skills

Frontend Development

HTML5, CSS3, Javascript, ReactJS

Backend Development

Spring Boot, Node.js, Express.js, FastAPI, PostgreSQL, MongoDB

Programming languages

Java, Python, C++, JavaScript, SQL

Dev Tools

Agile Methodologies, Git, GitHub, GitLab CI/CD, Docker, Kubernetes

📁 Professional Experience

Summer internship, Ministry of Health

06/2024 – 09/2024 | Rabat, Morocco

Contributed to the development of the **e-ESJ platform**, designed to provide accessible health services to youth. Built an interactive medical **chatbot** using **OpenAI API**, **Flask**, and **Next.js** for the UI. Integrated **RAG** (Retrieval-Augmented Generation) to dynamically fetch and merge data from multiple sources.

Technologies: OpenAI API, Flask, Next.js, RAG, JavaScript, Python

🌟 Volunteering

Organizing Committee Member – National Day of Young Developers (JNJD) ✍

I took part in organizing the National Day of Young Developers (JNJD) as a technical team member. I contributed by creating algorithmic problems, setting up the DOMjudge platform for the live contest, and configuring virtual machines used by both judges and participants.

05/2025

Rabat, Morocco

Chef of the Algorithmic Cell, CIT Club – INPT ✍

As the head of the Algorithmic Cell at the CIT Club (INPT), I led weekly workshops focused on algorithms and competitive programming, while mentoring new members and maintaining an educational GitHub repository. I also organized internal contests inspired by Codeforces to foster collaborative practice.

09/2024 – 05/2025

Rabat, Morocco