

Mohamed OUIJJANE

Software Engineering Student & Full-Stack Developer

📍 Morocco 📞 +212656706270

✉️ ouijjane22@gmail.com [in](https://www.linkedin.com/in/mohamedouijjane) mohamedouijjane

🌐 mohamedouijjane



Summary

Full-Stack Developer and Software Engineering student with experience building scalable web applications and distributed systems. Skilled in designing APIs and managing data-driven solutions, with a strong focus on performance, clean architecture, and problem solving. Developed enterprise platforms and simulation systems, and motivated to create efficient, user-focused applications while continuously improving through real-world projects.

Education

Master's Degree in Software Engineering (Excellence Program) 2025 – Present
[Ibn Zohr University - Faculty of Sciences — Agadir, Morocco](#)

Bachelor's Degree in Software Engineering (Excellence Program)
[Faculty of Sciences — Agadir, Morocco](#)

University Diploma of Technology — Computer Science
[Higher School of Technology — Agadir, Morocco](#)

- Graduated with Honors (Distinction: Good)

High School Diploma — Physical Sciences 2019 – 2020
[Ibn Soulayman Roudani High School](#)

- Graduated with High Honors (Distinction: Very Good)

Professional Experience

ShowMe Agency — Agadir, Morocco (Hybrid)

Full-Stack Developer

Jul 2023 – Nov 2023

- Developed a web application for managing student applications for studying abroad
- Built a task management web application with role-based features
- Designed and implemented RESTful APIs using Laravel (MVC architecture)
- Developed a Single Page Application (SPA) using React.js
- Managed data exchange using JSON/XML and implemented secure authentication (JWT/session)
- Designed and managed MySQL databases following clean architecture principles

COPAG — Taroudant, Morocco (On-site)

Full-Stack Developer

Apr 2022 – Jul 2022

- Developed an enterprise Master Data Management (MDM) platform to automate data validation and synchronization workflows
- Designed a configurable system supporting dynamic data models and validation rules
- Implemented RESTful APIs with Node.js/Express and Angular frontend
- Built approval workflows, audit logs, and role-based access control
- Automated data synchronization across systems improving reliability

Ministry of Interior — Morocco (On-site)

Web Developer

Jul 2021 – Aug 2021

- Designed and developed an IT inventory management web application
- Built frontend and backend using HTML, CSS, PHP, Sass, and MySQL
- Gained hands-on experience in real-world development environments

Projects

CPU Grid – Distributed Monte Carlo Traffic Simulation

Java, RMI, Next.js, TypeScript

- Designed and implemented a distributed computing system using Java RMI (master-worker architecture)
- Reduced simulation time by 3.55× through parallel task execution and load balancing
- Built real-time monitoring dashboard with Next.js and Chart.js

COPAG MDM – Master Data Management Platform

Angular, Node.js, Express, SQL Server

- Developed a full-stack enterprise application for data validation and synchronization workflows
- Reduced data setup time from days to less than 5 minutes
- Implemented dynamic data models, approval workflows, and audit logging

CertifyEase – Language Exam Management Platform

PHP, CodeIgniter, MySQL

- Built a full-stack system for candidate registration, payment tracking, and document generation
- Automated PDF generation, reducing manual administrative workload
- Designed dual interface: user portal and admin dashboard

Task Management Web Application

Laravel, React, MySQL

- Developed RESTful APIs using Laravel (MVC architecture)
- Built responsive React frontend with real-time state updates
- Designed relational database schema and ensured secure API communication

Business Intelligence & Data Mining Project

SQL, Talend, Power BI, Weka

- Designed a data warehouse (R-OLAP star schema) and implemented ETL pipelines with Talend
- Built interactive dashboards for KPI analysis and business insights
- Applied K-Means and Apriori algorithms for customer segmentation and product association

Technical Skills

Frontend: React, Next.js, Angular, TypeScript, JavaScript, Tailwind CSS, HTML/CSS

Backend: Node.js, Express, Laravel, PHP, Java (Spring Boot)

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

Tools & DevOps: Git, Docker, CI/CD (GitHub Actions), REST APIs, MVC Architecture

Data & Systems: Data Warehousing, Power BI, Distributed Systems (Java RMI)

Professional Competencies

Analytical Problem-Solving, System Design Thinking, RESTful API Design, Debugging & Troubleshooting, Technical Communication, Cross-functional Collaboration, Code Quality & Clean Architecture, Documentation, Performance Optimization

Activities

- Head of Web Development Committee — Digital Transformation and Innovation Club FSA Agadir
- Active Member — Enactus FSA Agadir (IT & Event Management)