

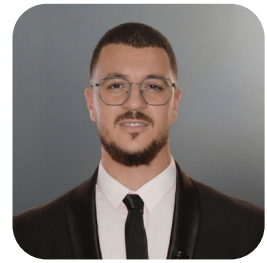
# MOHAMMED EDDARIF

Full Stack Engineer | Spring Boot · Angular · AI Integration

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## SUMMARY

Full-Stack Engineer with 2+ years building production enterprise systems in Java/Spring Boot and Angular — including multi-tenant architecture, RBAC, and AI/RAG integration. PhD researcher in Computer Vision. Oracle Certified Professional, Java SE 17.

## EXPERIENCE

### Full Stack Developer (Spring Boot/Angular) - IR4LAB Africa Sep 2024 – Present

- Led the end-to-end development of new core features for "DocCerts" (an enterprise blockchain-based Document Management System), including a custom Role-Based Access Control (RBAC) and an automated, organization-based ticket routing architecture.
- Architected a multi-tenant targeted announcement module, allowing super-admins and organizations to broadcast messages dynamically based on specific user roles and hierarchies.
- Collaborated directly with clients in requirement-gathering sessions to translate complex business needs into actionable technical specifications.
- Mentored a team of interns in developing a custom AI RAG (Retrieval-Augmented Generation) chatbot, designing the backend architecture to integrate it securely with the core legacy system.
- Optimized application performance and reduced API response times by refactoring legacy architecture and streamlining complex MongoDB queries.

### Automation & Integration Engineer (Freelance) - EdPulse Oct 2024 – Feb 2025

- Architected a complex API integration workflow using Pabbly Connect to automate the matching of students with local educators based on geolocation and specific skill criteria.
- Eliminated hours of manual management overhead by designing an automated pipeline that extracts user data, ranks matches, and dynamically generates and assigns detailed Asana tickets to the operations team.

### Software Engineering Intern - IR4LAB Africa Mar 2024 – Aug 2024

- Improved system code quality and long-term maintainability by implementing cleaner design patterns and authoring comprehensive full-stack technical documentation.

### ERP Developer (Odoo/Python) - it Advisor MA Jul 2022 – Jan 2023

- Designed and deployed customized Odoo enterprise modules and Python/PostgreSQL backend solutions based on client specifications gathered during stakeholder sessions.

## PROJECTS

### Tripycco (B2B2C Organized Trips Platform) Spring Boot · PostgreSQL · Next.js | In Progress

- Full-stack platform connecting travel agencies with travelers. Agencies create and manage trip offers, set pricing, and oversee bookings; travelers search, filter, and book trips - both with full profile management.
- Multi-tenant architecture with role-based access control.

## TECHNICAL SKILLS

- **Backend/Databases** : Java (OCP SE 17), Spring Boot, Spring Security, Spring Data JPA, Spring Cloud, RESTful APIs, Microservices, Python, PostgreSQL, MongoDB, MySQL, Supabase.
- **Frontend** : Angular, TypeScript, React, Next.js, JavaScript, Tailwind CSS.
- **AI / ML** : RAG, LLM API Integration, Computer Vision (PhD)
- **DevOps/Cloud** : Docker, GitHub Actions (CI/CD), AWS, Git

## CERTIFICATIONS

OCP Java SE 17 Developer (Oracle, 2025)

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CI/CD (IBM, 2024)

Docker, Kubernetes & OpenShift (IBM, 2023)

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AWS Cloud Practitioner (AWS, 2023)

## EDUCATION

PhD Researcher in Artificial Intelligence | FST Ibn Tofail | 2025 - Present.

Master Software Engineering for the Cloud Computing | Faculty of Sciences Ibn Tofail | 2024.

Bachelor's Degree in Mathematics and Computer Science | Faculty of Sciences Ibn Tofail | 2022.