

# ZEMAT Zakariae

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## Summary

Software engineering student at FST Settat, passionate about web development and Cloud architectures. Seeking opportunities to design and deploy high-performance applications integrating DevOps practices.

## Education

Cycle d'ingénieur en Informatique (en cours)	2023 – 2026
Faculté des Sciences et Techniques de Settat	
Diplôme universitaire en sciences et techniques	2021 – 2023
Faculté des Sciences et Techniques d'Errachidia	

## Professional Experience

Software Engineering Intern   XAI	Août 2025 – Octobre 2025 (à distance)
• Contributing to development and automation of AI model orchestration platform used to expose LLM services to Moroccan businesses and developers	
• Working on Spring Boot backend and CI/CD pipelines to optimize service integration and deployment	
Software Engineering Intern   Business IT Solutions	Juillet 2025 – Août 2025 (Onsite)
• Developed full-stack insurance management system (Spring Boot/Angular) on modular MVC architecture, compliant with SOLID principles and design patterns	
• Implemented 2FA + JWT authentication, OCR, and linear regression model to automate pricing	
• Deployed via Docker & CI/CD (GitHub Actions) on AWS, monitored by Prometheus/Grafana/Loki	
Software Engineering Intern   YHS Consulting	Juin 2024 – Août 2024 (à distance)
• Designed and developed real-time job management system with Kafka → Talend → Spring Boot → MySQL data pipeline for processing and flow synchronization	
• Built responsive web interface (HTML/Tailwind/JavaScript) connected to the API, enabling continuous job search and visualization	

## Projects

**Intelligent blood donation platform:** Co-development of web and mobile solution integrating AI to facilitate blood donation through intelligent chatbot and XGBoost prediction model to anticipate donor return and blood availability (Next.js/FastAPI/Flutter/Python/Firebase)

**Online learning platform:** Co-development of complete web platform allowing students to register, pay, and manage online courses, structured in Spring Boot/Spring Cloud microservices communicating via Kafka, with PostgreSQL for persistence, deployment on Kubernetes (OCI) using Terraform and CI/CD pipeline, monitored by Prometheus/Grafana

**Task management web application:** Development of full-stack application for task management and tracking with Spring Boot and React, containerized via Docker and equipped with observability stack (Prometheus/Grafana/Loki) for real-time monitoring

## Technical Skills

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

**Backend:** C, bash, Java, Spring Boot, Spring Security, API REST, JWT, Kafka, Design Patterns, SOLID

**Databases & ETL:** MySQL, PostgreSQL, Talend Open Studio (ETL)

**DevOps, Cloud & Observability:** Docker, CI/CD, AWS, OCI, Grafana, Prometheus, Loki, Promtail

**Tools & Methodologies:** Git, Postman, Figma, UML, Merise, Scrum, Jira

## Certifications

OCI Foundations Associate (Oracle, Octobre 2025) | CI/CD (Coursera-IBM, Octobre 2025) | Spring Boot 3 (Udemy, Novembre 2024) | OCA Java SE 8 Programmer (Oracle, Mai 2025) | OCP Java SE 17 Developer (Oracle, November 2025)

## Activities & Skills

**Extra-curricular:** VP & Chef de projet, IMPACT Club, FSTS (2024–2025) | Membre actif, ITClub, FST Errachidia (2022–2023) | Problem solving competitions & hackathons

**Languages:** Français (Professionnel), Anglais (Technique)

**Soft Skills:** Problem Solving, Teamwork & Collaboration, Adaptability