ZEMAT Zakariae

Élève ingénieur en génie logiciel

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Profile

Software engineering student at FST Settat, passionate about web development, cloud technologies, and AI-driven solutions. Curious, detail-oriented, and result-focused, I'm seeking a final-year internship to apply my skills, take on technical challenges, and contribute to impactful and innovative projects.

Experiences

Cloud & DevOps Engineering Intern| XAI *(in progress)*   *August 2025 - October 2025 (à distance)*

I contribute to the development of Sovereign AI Gateway, a Moroccan platform inspired by OpenRouter, integrating an LLM service, an API gateway, Docker containerization, CI/CD pipelines, and deployment on Azure Cloud with built-in observability.

Software Engineering Intern| Business IT Solutions   *July 2025 - August 2025 (Onsite)*

Developed a full-stack insurance management system (Spring Boot / Angular) with secure authentication (JWT/2FA), OCR integration, and a linear regression model, orchestrated via Docker and monitored with Prometheus/Grafana/Loki, deployed on AWS through a CI/CD pipeline.

oftware Engineering Intern | YHS Consulting (France)   *June 2024 - August 2024 (à distance)*

Built a job offers data pipeline: I streamed job offers using Apache Kafka, transformed them in Talend Open Studio, and presented the results on a Spring Boot + JavaScript web application.

Projects

Intelligent Blood Donation Platform: Co-development of a smart platform that facilitates blood donation through AI, predictive analysis, and an interactive chatbot. Designed a hospital portal using Next.js + FastAPI and a mobile application with Flutter for donor management and statistics.

Microservices Registration Platform: (in progress): Co-development of a payment and course registration platform based on a microservices architecture (Spring Boot, Kafka, Redis, PostgreSQL). Integrated an API gateway, CI/CD pipelines, monitoring with Prometheus/Grafana, and deployed on OCI.

Web-based Task Management Application: Creation of a web application for task management and tracking using Spring Boot / React. Containerization via Docker and integration of an observability stack (Prometheus, Grafana, Loki).

Desktop Project Management Application: Development of a desktop tool using Java Swing, JDBC, and MySQL to plan, track, and coordinate project progress within a team, featuring an intuitive interface.

Technical Skills

Web and Mobile Development: HTML, CSS, Tailwind CSS, JavaScript, Typescript, React, Next.js, Angular, Spring Boot, JEE, Spring Security, API REST, JWT, Flutter
Programming Languages: Java, C
Databases : MySQL, PostgreSQL, Supabase
Modeling and Design: UML, Merise, Figma
Project Management: Scrum, Jira
DevOps and cloud : Docker, CI/CD GitHub Actions, AWS
Observability and Monitoring: Grafana, prometheus, Loki, Promtail
Tools and Technologies : Git, Kafka, Postman, Talend Open Studio (ETL).

Education

University Diploma in Science and Technology   *2021-2023*

Faculty of Science and Technology, Errachidia

Computer Science Engineering (in progress)   *2023–2026*

Faculty of Science and Technology, Settat

Certifications

Spring Boot 3	*Udemy, November 2024*
OCA Java SE 8 Programmer	*Oracle, May 2025*
OCI AI Foundations Associate	*Oracle, October 2025*
CI/CD	*Coursera-IBM October 2025*

Languages:

French: Professional

English: Technical

Soft Skills:

Problem Solving

Teamwork & Collaboration

Adaptability

Extracurricular Activities

Active Member, IT Club, FSTe (2022–2023)

Vp & Project Leader, IMPACT Club, FSTS (2024–2025)

Participant in various competitions and hackathons