

# Zakaria Rekhla

DevOps & Cloud Native | Kubernetes & Docker | CNCF CERTIFIED

## Junior DevOps Engineer

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### SUMMARY

Passionate Junior DevOps Engineer specialized in Docker containerization, Kubernetes orchestration, and CI/CD automation. Proven expertise in cloud-native technologies with CNCF certification and hands-on experience deploying microservices applications. Proficient in continuous integration pipelines and infrastructure as code with a reliability and performance-focused approach.

### EDUCATION

#### Master's in Information Systems Engineering

Faculty of Sciences Semlalia Marrakech (FSSM)

2024-2026

In Progress

- Mastery of development methodologies and information systems urbanization with quality assurance
- Development of intelligent workstation architectures integrated into complex information systems
- Training in software project management and advanced industrial programming environments

#### Professional Bachelor's - Information Systems & Networks Engineering

Higher School of Technology Safi

2023-2024

Honors

- Specialized in network architecture and system administration
- Strong foundations in software engineering and databases
- Distributed systems and applications

#### University Diploma of Technology - Computer Engineering

Higher School of Technology Safi

2021-2023

Honors

- Study and design of computer systems
- Development of computer systems
- Systems integration

### EXPERIENCE

#### •Higher School of Technology Safi

Internship - Software Developer

April 2023 - June 2023

[Github](#)

- Development of a comprehensive web platform automating library loan, return, and membership management with analytics dashboard and automated notification system
- Technologies: Next.js, Node.js, TypeScript, MySQL, Prisma ORM, TailwindCSS, Git

#### •Norsys Africa (Marrakech)

Internship - Full Stack Developer

May 2024 - June 2024

[Github](#)

- Design and development of interconnected mobile and web application for blood pressure monitoring with AI integration for predictive analysis and optimal health surveillance
- Technologies: Next.js, Flutter, Laravel, Hugging Face, Python, Firebase, MongoDB Atlas, Docker, Git

#### •Ministry of Health and Social Protection (Safi)

Internship - Full Stack Developer

March 2024 - June 2024

- Development of MedConnect: comprehensive web application for digitizing medical records and automated activity report generation for occupational health units
- Technologies: Next.js, Express.js, MongoDB, JWT Authentication, Chart.js

### PROJECTS

#### •Room Reservation System - Microservices Architecture

Faculty of Sciences Semlalia Marrakech

2025

[Github](#)

- Design of a complete microservices platform for room reservation with JWT authentication and granular authorization
- Technologies: Spring Boot, Spring Security, JPA/Hibernate, MySQL, Angular 16+, Docker, GitHub Actions, API Gateway, Spring Cloud

•Distributed E-commerce Platform with Advanced Microservices Architecture

2025

Self Made

Github

- Architected a cloud-native e-commerce ecosystem with 8 microservices using **Spring Boot (Java 17)** and **Go**, leveraging polyglot persistence (**PostgreSQL, MongoDB, Redis**) and **Apache Kafka** for event-driven communication
- Implemented comprehensive DevOps pipeline with **Jenkins** CI/CD, GitOps deployment via **ArgoCD**, Infrastructure as Code using **Terraform**, and **Kubernetes** orchestration with 6 production-ready **Helm** charts
- Designed secure API Gateway with **Spring Cloud Gateway** featuring **JWT/OAuth2** authentication, multi-level rate limiting (5-300 req/min), circuit breakers, and **Istio** service mesh for **mTLS** communication
- Established complete observability stack with **ELK** for centralized logging, **Prometheus/Grafana** for metrics, **Zipkin** for distributed tracing, and **Kiali** for service mesh visualization
- Deployed on **AWS EKS** with **Terraform**-managed infrastructure including **VPC, EBS** storage, and multi-environment support (dev/staging/production) with auto-scaling capabilities
- Developed modern frontends: **React 18** + TypeScript admin dashboard with real-time analytics and **Next.js 14** customer portal.

•TERRAP-POD - Water4Future Hackathon Winner

2024

UNESCO & Cadi Ayyad University Hackathon

LinkedIn Post

- **1st Place Winner** at UNESCO and Cadi Ayyad University-sponsored hackathon among 20+ teams
- Designed innovative modular vertical farming solution addressing Morocco’s agricultural water challenges
- Developed sustainable agriculture technology focused on water conservation and food security optimization

TECHNICAL SKILLS

DevOps & Cloud Technologies

- **Containerization:** Docker, Kubernetes, Docker Compose
- **CI/CD:** Jenkins, GitHub Actions
- **Cloud:** AWS (EKS, EC2, EBS), Firebase
- **IaC:** Terraform.
- **Monitoring:** Kibana , Grafana, ELK Stack

Tools & Methodologies

- **Version Control:** Git, GitHub
- **Configuration:** YAML, JSON, Docker Compose
- **Methodologies:** Agile, Scrum, DevOps Culture
- **Scripting:** Bash, Python, PowerShell
- **API Management:** REST APIs, Microservices

Systems & Infrastructure

- **OS:** Linux (Ubuntu), Windows
- **Networking:** TCP/IP, DNS, Load Balancing
- **Security:** SSL/TLS, OAuth2, JWT
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis

Programming Languages

- **Backend:** Java, Go, Python, Node.js, Php
- **Scripts:** Bash, PowerShell, Python
- **Configuration:** YAML, JSON, XML
- **Web:** JavaScript, TypeScript, HTML/CSS

CERTIFICATIONS

- **KCNA: Kubernetes and Cloud Native Associate**  
*Cloud Native Computing Foundation (CNCF)*
- **LFS250: Kubernetes and Cloud Native Essentials**  
*Linux Foundation*
- **CCNA: Switching, Routing, and Wireless Essentials**  
*Cisco*
- **Introduction to Network Operation 1.0**  
*Internet Society*

LANGUAGES

- **Arabic:** Native
- **French:** Fluent (B2 Level)
- **English:** Professional (B2 Level)