

Lakrafi Oussama

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Casablanca, Morocco

SUMMARY

Computer Science Engineer specializing in Software Development, Data Engineering, and Cloud/DevOps. I design and build scalable applications, data systems, and cloud infrastructures, with a strong focus on distributed systems, automation, performance, and reliability.

EDUCATION

National School of Applied Sciences Berrechid <i>Engineer's Degree in Computer Science</i>	Berrechid, Morocco 2021 – Present
High School Oulad Hriz <i>Baccalaureate in Mathematical Sciences A</i>	Morocco 2020 – 2021

EXPERIENCE

Software Engineer / DevOps Intern <i>Marketing Confort</i>	Jun. 2025 – Sept. 2025 <i>Remote</i>
<ul style="list-style-type: none">Developed AI homework assistant with mobile app (React Native) and web interface (Next.js)Built scalable backend using Spring Boot microservices architecture with PostgreSQL database and AWS S3Implemented CI/CD pipeline using GitLab CI/CD, Docker, Kubernetes, ArgoCD, and Nexus	
Full Stack Developer Intern <i>2Peerfect</i>	Sept. 2024 – Oct. 2024 <i>Remote</i>
<ul style="list-style-type: none">Built 3D binding website using Next.js, Three.js, GSAP, and Framer Motion with responsive design	
Full Stack Developer Intern <i>Wib Day</i>	Aug. 2024 <i>Hybrid</i>
<ul style="list-style-type: none">Developed blogging platform for press news website using Laravel, HTML, CSS, JavaScript, and MySQL	
Full Stack Developer Intern <i>Royal Air Maroc</i>	Jul. 2024 <i>On-site</i>
<ul style="list-style-type: none">Worked on building web application to enhance customer service using React and Node.js	

PROJECTS

Healthcare Application | *Next.js, Spring Boot, Node.js, WebRTC, PostgreSQL, MongoDB, Kafka, Docker*

- Built a microservices platform with real-time video consultations, AI chatbot, and appointment booking.
- Implemented secure authentication, doctor verification, QR prescriptions, and Kafka-based real-time notifications.

Three-Tier Web App Deployment with CI/CD and GitOps | *Jenkins, Terraform, AWS, Kubernetes, Helm, ArgoCD*

- Deployed Three-Tier web application on AWS using Terraform for infrastructure provisioning including EKS cluster and ECR
- Implemented automated CI/CD with Jenkins, SonarQube for code quality, and GitOps deployment with ArgoCD
- Configured monitoring solution using Prometheus and Grafana for scalable and observable deployments

Real-Time Health Monitoring Platform | *Kafka, Python, Next.js, AWS, Redis, Docker, Kubernetes*

- Developed an event-driven pipeline based on Kafka with stateless Python microservices handling validation, batching, ML inference, anomaly detection, and alerting.
- Designed real-time Next.js dashboards via WebSocket and integrated S3/Athena data pipelines.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, PHP, TypeScript
Frontend: Next.js, React, React Native, Tailwind CSS, Bootstrap
Backend: Spring Boot, Node.js, Express.js
Databases: PostgreSQL, MongoDB, MySQL, Redis, Cassandra
DevOps & Outils: Docker, Kubernetes, ArgoCD, GitLab CI/CD, Helm, Kafka, Git, GitHub, Jenkins, Ansible, Terraform, AWS
Data & AI: Machine Learning, Generative AI, Spark, Airflow, dbt, Snowflake, Fabric8

CERTIFICATIONS

Oracle Cloud Infrastructure Certified DevOps Professional
Oracle Certified Professional: Java SE 17 Developer
AWS Certified Cloud Practitioner
Oracle Database SQL Certified Associate
Oracle Cloud Infrastructure Generative AI Certified Professional

LANGUAGES

Arabic (Native)
French (Fluent)
English (Fluent)