

Akrem ALAMINE

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Professional Experience

Cloud Engineer Intern, RIF Group

Paris, France

07/2025 – 09/2025

- Deployed an OpenStack infrastructure using Ansible in a multi-node architecture including controller, compute, and storage (Keystone, Nova, Neutron, Glance, Cinder).
- Implemented DevOps tools for automation and containerization, notably CI/CD, Docker, Kubernetes, and GitLab Runner for continuous deployment and service management.

AI Engineer Intern, Talan Tunisia

Tunis, Tunisia

07/2025 – 09/2025

- Developed an AI tool to support entrepreneurs from ideation to market launch.

- Integrated Cloud and AI-oriented DevOps technologies to create automated pipelines (n8n, Docker, GitLab CI/CD, and cloud services) facilitating model training, deployment, and monitoring.

- Gold prize and 1st place winner at the Talan SummerCamp 2025 for an innovative AI-powered solution.

Intern, Société Variété Industrielle

Tunis, Tunisia

07/2024 – 09/2024

- Developed a Flutter application with ESP8266 for remote lighting control via WebSocket, featuring manual and automatic modes.

Education

Computer Science Engineering Degree, Faculty of Sciences of Tunis

Tunis, Tunisia

2021 – Present

- **Cloud, Networks & DevOps** : Deployments on AWS, GCP, Azure, and OCI, OpenStack, cloud security, CI/CD practices, containerization and orchestration (Docker, Kubernetes), automation and provisioning (Ansible, Terraform), continuous integration (Jenkins, GitLab CI/CD), monitoring (Prometheus, Grafana).
- **Software Development** : Java/JEE, Node.js, PHP/Laravel, React, Flutter.
- **Programming** : C/C++, Python, JavaScript, SQL/PLSQL, HTML/CSS.
- **Embedded Systems** : ARM, MIPS, VHDL, ESP32/Arduino with sensors.

Projects

- **CI/CD Pipeline (Quality and Artifacts)** (Git Flow, Jenkins, Mockito/Jacoco, SonarQube, Nexus) Automated CI chain via Jenkins. Implemented Git Flow, integrated unit tests (Mockito) and code coverage (Jacoco), quality analysis with SonarQube, and artifact management via Nexus.
- **Containerized Deployment and Monitoring for Services** (Docker Compose, Terraform, Prometheus, Grafana) Deployed microservices via Docker Compose. Provisioned necessary Cloud infrastructure using Terraform (IaC). Configured a monitoring solution (Prometheus) and visualization (Grafana).
- **Private OpenStack Cloud Infrastructure** (OpenStack, Ansible, Terraform, Prometheus, Grafana) Automated multi-node infrastructure with monitoring and provisioning as code.
- **AWS Deployment of a Full Stack Application** (AWS, React, Flask, MySQL, Docker, Kubernetes, Jenkins, CloudWatch) – Highly available architecture with CI/CD, containerization, and orchestration.
- **Brand Orb AI – AI Platform for Startups** (Python, Next.js, FastAPI, LangChain, n8n, GitLab CI/CD, Docker) – AI tool integrating automated pipelines for the entrepreneurial lifecycle.

Associative Experience

Google Developer Groups on Campus – FST

Tunis, Tunisia

2022 – Present

- Completed four-year path: Member, Media Manager, Leader, then Mentor.

Certifications

- Microsoft Certified: Azure Fundamentals
- Oracle Cloud Infrastructure 2025 Certified DevOps Professional
- Oracle Cloud Infrastructure 2025 Migration Architect Professional
- Oracle Cloud Infrastructure 2025 Architect Associate
- Oracle Cloud Infrastructure 2025 Foundations Associate
- Multicloud Network Associate – Aviatrix Certified Engineer (ACE)