Zaineb ElHeni

Cloud Engineering Student

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Profile

Final-year engineering student specializing in Cloud Computing and DevOps, with hands-on experience in multi-cloud infrastructure deployment, process automation, CI/CD pipeline implementation, and environment monitoring. Passionate about Kubernetes orchestration and system performance optimization. Currently seeking a six-month end-of-study internship to apply my skills and contribute to high-impact cloud projects.

Education

Cloud Engineering, *ESPRIT*   09/2023 – Present

Preparatory Cycle in Physics and Chemistry,   09/2021 – 06/2023
Preparatory Institute for Engineering Studies of Tunis (IPEIT)

Skills

Programming Languages
Java , C , JavaScript , TypeScript, Python

DataBases
MySql , Postgres , Oracle

CI / CD & VCS
Jenkins , Git , GitHub Actions , ArgoCD , Sonarqube , RabbitMq , Vault , Keycloak

virtualization
VmWare , VirtualBox

Frameworks
React , Angular , Next , SpringBoot , .Net , Node

Orchestration & Containerization:
Docker , Kubernetes

Automation & IaC
Ansible

Cloud Providers
AWS, Azure, Openstack

Certificates

Azure AI Fundamentals ⬈
Associate

Azure Fundamentals ⬈
Associate

AWS Cloud Operations ⬈
Trained

Professional Experience

Engineering Internship, *IMEX (Information Management EXpert)*   07/2025 – 09/2025
- Implemented real-time visualization of key metrics, including daily API volume, success/failure rates, and most/least used APIs.
- Designed and deployed a CI/CD pipeline to automate build and deployment processes.
- Integrated DevOps and GitOps practices using ArgoCD and GitHub Actions.
- Managed code quality, secrets, authentication, and messaging systems through SonarQube, Vault, Keycloak, and RabbitMQ.

Summer Internship, *IMEX (Information Management EXpert)*   06/2024 – 08/2024
Development of a web application for API call monitoring using React.js, Next.js, and Flask. Implemented real-time visualization of metrics such as daily call volume, success and failure rates, and the most and least used APIs.

Projects

CI/CD Pipeline & Cloud-Native Orchestration
- Built a CI/CD pipeline for a Spring Boot/MySQL application with Docker, Minikube, and automated deployments.
- Integrated SonarQube, Prometheus, and Grafana for code quality monitoring and system performance visualization.

Design and deployment of a cloud-native SaaS educational platform.
- Defined logical and physical architecture based on functional and technical requirements.
- Deployed a multi-node private cloud on OpenStack, integrating core compute, networking, storage, and orchestration services.
- Automated provisioning with Ansible and implemented monitoring and alerting using Prometheus and Grafana.
- Utilized Docker for containerization, Kubernetes for orchestration, and ensured multi-cloud deployment across OpenStack and Azure.
- Developed the full stack using Angular, Spring Boot, and SQL.

Languages

Arabic
Native

English
B2

French
B2