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

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

DataBases
MySql , Postgres , Oracle

Orchestration & Containerization:
Docker , Kubernetes

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

Automation & IaC
Ansible

Cloud Providers
AWS, Azure, Openstack

virtualization
VmWare , VirtualBox

Certificates

Azure AI Fundamentals ⬀
Associate

Azure Fundamentals ⬀
Associate

AWS Cloud Operations ⬀
Trained

Professional Experience

Engineering Internship, *IMEX (Information Management EXpert)*   07/2025 – 09/2025
- Developed and orchestrated a cloud-native CI/CD platform using Kubernetes for container orchestration and GitHub Actions for automated build, test, and deployment workflows.
- Adopted DevOps and GitOps methodologies with ArgoCD to ensure continuous delivery and automated environment synchronization.
- Enhanced platform reliability, security, and code quality by integrating SonarQube, Vault, Keycloak, and RabbitMQ for continuous inspection, secret management, authentication, and messaging orchestration.

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
- Designed and implemented a CI/CD pipeline for a Spring Boot / MySQL application using Jenkins, Docker, and Kubernetes (Minikube) to enable automated builds, testing, and deployments across clustered environments.
- Integrated SonarQube, Prometheus, and Grafana to ensure continuous code quality assessment, real-time monitoring, and performance visualization of deployed services.

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