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Abderrahim Chamssiddine

DevOps Engineer

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As a dedicated master student specializing in information system security and infrastructure at the Higher Institute of Computer Science, my passion for technology has grown as I've honed my skills over the years. Now, I'm eager to take my knowledge to the next level by pursuing a summer internship in DevOps. This opportunity will allow me to gain hands-on experience and practical skills, while further enhancing my expertise in the field.

KEY SKILLS

- Proficient in using **Jenkins** as an automation tool for continuous integration and continuous delivery (CI/CD) pipelines.
- Knowledge of containerization and orchestration technologies such as **Docker** and **Kubernetes**.
- Experience with cloud infrastructure and services **GCP**.
- Strong understanding of network protocols and security best practices
- Experience with configuration management tools such as **Terraform** and **Ansible**
- Strong problem-solving and analytical skills

PROFESSIONAL EXPERIENCE

DevOps Instructor

2022 — 2023

GOMYCODE

LAC1

- Mentor new students to learn the culture of DevOps and create a CI/CD Pipeline to Test, Build and Deploy an application to a Kubernetes cluster on AWS

DevOps Engineer Internship

Feb 2022 — Mai 2022

VERMEG

LAC 1

- To streamline the software development process, I created a sufficient CI/CD pipeline by leveraging the capabilities of **Docker Compose**. Using Docker Compose, I was able to launch containers for various tools such as **Jenkins**, **Nexus**, **SonarQube**, and **GitLab**. This allowed me to automate the entire pipeline, from building and testing the code to deploying it to the production environment.

PERSONAL PROJECT

Kubernetes Cluster

- I established a **Kubernetes** Cluster consisting of one Master and two Workers, which I set up on **ESXI**

ArgoCD

- By leveraging **GitOps** principles, I utilized **ArgoCD** to deploy a simple application to a Minikube cluster, streamlining the deployment process and enabling easy management and automation. With ArgoCD's declarative configuration, I was able to easily maintain and manage the desired state of my applications in the cluster

Remote Development Environment

- I orchestrated a remote development environment with ease by leveraging **Terraform**. I provisioned the necessary **GCP** instances for developers and equipped them with essential tools through **GCP**. Developers were also given a shared Kubernetes cluster to efficiently test their applications. To streamline accessibility to our services, I integrated a seamless SSO with **Keycloak**. Additionally, our DevOps engineers can effortlessly monitor all instances with the help of **Grafana** dashboard.

EDUCATION

Master of Information System Security and Infrastructure, *ISI Ariana*

Sep 2022 - Jun 2024

Bachelor of Computer Science, *ISI Ariana*

Sep 2019 - Jun 2022

Baccalaureate of Science experimental, *Lycee Taha Hussein Megrine*

Jun 2019

STUDENT LIFE VOLUNTEERISM

DevOps Team Leader

2022 — 2023

FREEWAYS

ISI Ariana

- My goal was to mentor new members in discovering the culture of DevOps and the related technologies and to apply their knowledge to real-life projects