

OUSSEMA JELASSI

Cloud & DevOps Engineer



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EXPERIENCES

DevOps Engineer

Infovista

Project: Planet Microservices

Oct 2022 - present

Project description: Planet is a trustworthy and proven solution that has been deployed by major mobile operators, integrators, and equipment vendors for wireless access network planning, optimization, and network performance management.

- Work with the team to upgrade or deploy new releases of planet microservices.
- Maintain and manage our customer's infrastructure.
- Troubleshoot and resolve infrastructure issues where our microservices are deployed.
- Lead stress and scalability tests in pre-production environments with customers to ensure the stability and reliability of the platform.
- Implementing a backup mechanism for a PostgreSQL service using CronJob in a production environment involves considerations for data consistency, minimal downtime, and secure storage.

Environment: Robin, Kubernetes, Docker, Helm, Azure DevOps, Apache Jmeter.

Project: NLA CP (Network Lifecycle Automation Cloud Platform)

Feb 2022 - present

Project description: Infovista's Network Lifecycle Automation (NLA) Cloud Platform is an integrated, automated, open, interoperable, and cloud-native platform that powers all Infovista products including Planet AI-driven RF network planning, TEMS™ network testing, and Ativa™ Suite for automated assurance and operations.

- Create robust and scalable infrastructure for deploying NLA:
 - Create and manage the EKS cluster.
 - Create, manage, and associate IAM policies and permissions.
 - Create the EFS file system and attach it to EKS VPC.
 - Create and manage Route53 entries for cluster DNS management and routing.
- Deploy/Upgrade Rancher on the cluster using Helm.
- Deploy NLA high-level architecture on EKS using Terraform and Helm:
 - Release a new NLA Planet Cloud.
 - Upgrade an existing environment with a new version.

Environment: Amazon Web Services, Terraform, Kubernetes, Helm.

End Of Study internship

Hydatis

Project: *Open-source Anti-money laundering solution*

Mar 2022 - Oct 2022

Project description: Support emerging technologies to protect AML infrastructure investments into the future.

- Build, maintain, and enhance a modern, cost-effective, and flexible anti-money laundering system in event-driven microservices architecture using open-source middleware (RedHat products), cloud, and container technologies.
- Automate Business automation services deployment with cloud-native CI/CD pipelines.

Environment: Tekton CI/CD, Apache Kafka, OpenShift, Kogito, Quarkus, MongoDB, Infinispan, Keycloak, PostgreSQL, Debezium, Docker.

Cloud/DevOps Engineer Internship

SSCA

Project: *SSCA Full-Stack App deployment on GCP*

Jul 2022 - Oct 2022

Project description: The project involves automating the integration and deployment of SSCA MERN (MongoDB, Express.js, React, Node.js) stack application on GCP.

- Design robust systems on GCP with Compute Engine.
- Participate in minimizing infrastructure costs and improving performance.
- Automate the creation of components with Terraform.
- Set up a pipeline with Gitlab CI/CD that automates the process of building, testing, and deploying the SSCA app.

Environment: Terraform, GCP, Gitlab CI/CD.

EDUCATION

The Private Higher School of Engineering and Technology

TUNISIA

Cloud Computing Engineering Degree

2019 - 2022

Higher Institute of Technological Studies

TUNISIA

Software Development Bachelor

2016 - 2019

High School of El Battan, Manouba

TUNISIA

National Baccalaureate

2015

SKILLS

Programming - Javascript / Java

Virtualization - VMware, VirtualBox, KVM

DB - MySQL, MongoDB, PostgreSQL

DevOps - GitLab CI/CD, Jenkins

Containers & Orchestration - Docker, Kubernetes, OpenShift

OS - Linux(Ubuntu, CentOS, Kali Linux), Windows

Scripting - Python / Bash

Web - HTML/CSS3, PHP7 / JQuery

Design - UML2

Frameworks Java - Spring

Automation and IaC - Ansible, Terraform, AWS Cloud-Formation

Cloud Service Platform - Amazon Web Services(AWS) / Google Cloud Platform(GCP)

LANGUAGES

Languages: Arabic - English - French