Oussama Lakhdar

Cloud DevOps Engineer

EXPERIENCE

The UM6P Vanguard Center, Benguerir, Morocco

DevOps Engineer Intern   04/2024 – 09/2024

- *Set up GitHub Actions workflows to build and push Docker images to a container registry, streamlining the CI/CD pipeline.*
- *Configured Kubernetes clusters on VMs using bash scripting and Ansible for efficient provisioning and deployment.*
- *Established and maintained an NFS server for persistent volumes, improving data safety and disaster recovery.*
- *Implemented Argo CD for continuous deployment, ensuring automated and seamless application updates.*
- *Ensured security and followed best practices throughout the DevOps lifecycle.*
- *Collaborated with cross-functional teams to optimize software delivery, enhancing the reliability, scalability, and security of systems.*

PROJECTS

Automated CI/CD Pipeline: Jenkins - Docker - DockerHub - AWS Cloud

- *Led the creation and integration of a streamlined CI/CD pipeline with Jenkins and GitHub Webhooks, reducing deployment time by 50% and minimize production issues by 75%.*
- *Orchestrated end-to-end automation for software delivery on AWS EC2 instances, incorporating Docker containerization for optimal efficiency.*
- *Configured AWS security groups and network settings to precisely control inbound traffic, ensuring a secure browser-based access for an optimized CI/CD pipeline.*

Docker Orchestration: Docker - Network & system administration

- *Built and Deployed locally a web application using a variety of Docker containers, such as NGINX, MariaDB, WordPress, Redis, Adminer, and Portainer. Each service operated in its dedicated container.*
- *Orchestrated the entire web application locally using Docker Compose, ensuring seamless integration and effective management of each service within its respective container.*

Backend Web App: NestJs - Prisma - Docker

- *Spearheaded the development of a TypeScript web app Backend, overseeing user account functionalities, authentication, and friendship management. Contributed to the design of the database schema for efficient data organization.*
- *Crafted endpoints to facilitate seamless communication within the application, enhancing the overall user experience.*
- *Innovatively architected a real-time chat system, elevating the platform's capabilities for instant and interactive communication.*
- *Led Docker orchestration for deployment, establishing consistent development environments. Optimized container communication and network configurations for enhanced efficiency.*

EDUCATION

1337 - Mohammed VI Polytechnic University   10/2021

Software Developer

Benguerir, Morocco

CONTACT

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SKILLS

Programming/Scripting languages:
- JavaScript (NodeJs, NestJs)
- C/C++
- Bash
- Python

Hard Skills:
- Linux System Administration
- Bash scripting
- Cloud computing
- CI/CD
- Infrastructure as Code
- Web development
- Problem solving
- Networking

DevOps Tools:
- Docker
- Kubernetes
- ansible
- Jenkins / GitHub Actions
- Git
- AWS
- Terraform
- Maven / Gradle
- Nexus
- ArgoCd
- Vagrant

Languages:
- English
- Arabic

PORTFOLIO

- olakhdar.com
- github.com/oussamalakhdar