AYOUB EL M.

DEVOPS & CLOUD ENGINEER

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SUMMARY

Experienced DevOps & Cloud Consultant with expertise in automation, cloud platforms (AWS, Azure, IBM), containerization (Docker, Kubernetes), and source control (GitLab, GitHub, Bitbucket). Skilled in implementing Infrastructure as Code using Terraform and orchestrating CI/CD pipelines with Jenkins, GitHub Actions, and ArgoCD. Proficient in monitoring and deploying applications on Kubernetes clusters across various cloud providers. Holds certifications in Kubernetes, AWS, Terraform, and Azure. Strong analytical and problem-solving abilities with a solid foundation in Computer Engineering. Fluent in English, French, and Arabic.

SKILLS

- **Automation:** Jenkins, Azure Devops, Gitlab CI ...
- **IaC:** Terraform (Certified), Ansible ...
- **Cloud:** AWS (Certified), IBM, Azure (Certified), GCP, ...

- **Containers:** Docker, Kubernetes (Certified), OpenShift ...
- **GitOps:** ArgoCD, Atlantis ...
- **Source Control:** Gitlab, GitHub, Bitbucket ...
- **Logs:** EFK, CloudWatch ...

- **Web Servers:** Apache, Nginx, Tomcat ...
- **Scripting:** Bash, Python
- **Code Quality:** Sonarqube
- **Service Mesh:** Istio
- **Build Tools:** Gradle, npm ...

EXPERIENCE

08/2024 - Present

Senior DevOps & Cloud Engineer, **Evident, Canada (Remote)**

- Led the adoption of GitOps practices using ArgoCD for Kubernetes application deployment, improving deployment reliability and visibility.
- Integrated Sealed Secrets to manage Kubernetes secrets securely within version control.
- Introduced and implemented Atlantis to automate Terraform workflows, streamlining infrastructure changes through GitLab Merge Requests.
- Developed and maintained CI/CD pipelines using GitLab CI, enhancing automation and reducing deployment times.
- Managed Infrastructure as Code (IaC) using Terraform on Microsoft Azure, provisioning scalable and secure environments.
- Deployed and maintained applications on Kubernetes clusters using Helm and ArgoCD.
- Installed and configured Black Duck and Coverity for security and static code analysis, boosting code quality and compliance.

01/2024 – 03/2025
Part-Time Contract

***Senior DevOps & Cloud Consultant,* Tiqmo, Riyadh, Saudi Arabia (Remote)**

- Designed and implemented CI/CD pipelines using Jenkins and GitLab CI for multiple microservices, improving delivery speed and reducing manual intervention.
- Managed and configured Kubernetes clusters, ensuring high availability and efficient resource usage.
- Provisioned and maintained cloud infrastructure on Oracle Cloud Infrastructure (OCI) and Google Cloud Platform (GCP) using Terraform, supporting scalable deployments.
- Developed a comprehensive Disaster Recovery (DR) solution on GCP to ensure business continuity and reduce recovery time.
- Automated deployment and configuration of backend services and applications in Kubernetes environments.
- Optimized infrastructure costs and performance through resource monitoring, scaling, and cleanup strategies.

04/2023 – 08/2024

***DevOps & Cloud Consultant,* BioTwin, Canada (Remote)**

- Using Jenkins and Github Actions to automate build and deployment that reduced human errors and sped up production processes.
- Infrastructure as a code using Terraform
- GitOps Using ArgoCD for K8s workload and Atlantis for Terraform
- successfully creating and maintaining automated CI/CD pipelines for code deployment using Jenkins while automating the deployment process, resulting in the eliminating of 70% of manual work.
- Utilized log file analyzers and visualization tools, including ElasticSearch, Logstash, and Kibana (ELK), to monitor and analyze system logs, enhancing system performance and troubleshooting capabilities
- Creating and managing multiple Kubernetes cluster in different cloud providers (Azure, AWS, IBM) with Terraform.
- Deploying and managing multiple application in K8s with helm charts and manifests.
- Creating and managing Cloud infrastructure with Terraform (AWS, Azure, IBM).
- Deploying and managing MLOPS tools on k8s (Pachyderm, ClearML)
- Monitoring Cloud infrastructure (AWS, Azure, IBM)
- Managed large data sets and maintained various databases, such as SQL, Elastic, and Oracle, ensuring data integrity and optimizing query performance.
- Configuring a secure VPN connection using AWS VPN solution.
- Installing and configuring EFK stack for monitoring.
- Migrating from Azure MySQL to AWS RDS using AWS DMS service.
- Creating CI/CD pipelines for Android and IOS applications using Jenkins, Github Actions, Fdroid and TestFlight
- Configuring SSL for the different applications.
- Implemented automated code testing procedures to ensure high-quality software delivery and reduced manual testing efforts.

03/2019 - 04/2023

***DevOps Consultant,* IBM, Grand Casablanca, Casablanca**

- Serving as a hands-on subject matter expert for DevOps and Automation in Azure and AWS infrastructure environment.
- Managing IaC and deployment automation using Terraform.
- Set up CI/CD Pipeline using Jenkins, Azure DevOps, Ansible in a Docker environment (Kubernetes)...

- Provide daily monitoring, management, troubleshooting and issue resolution to systems and services hosted on cloud resources.
- Administrate and deploy Kafka and Kafka connect clusters and create and configure connectors.
- Strong foundation of knowledge around Azure cloud services and the cloud ecosystem.
- Deploy μservices based applications on Azure Kubernetes Service.
- Deploying, managing, and operating scalable, highly available, secure, and fault tolerant systems on Microsoft Azure.
- Be part of the client's scrum team and work on user stories.
- Installing and Configuring HashiCorp Vault cluster on AWS EC2.
- Maintained APIs with a strong focus on API security, ensuring secure and efficient data communication between services.
- Set up CI/CD Pipeline using Jenkins, Azure DevOps, Ansible in a Docker environment (Kubernetes)...
- Work with strategic customers and developer as an advisory architect on engineering solutions of significant scale/volume/complexity on Azure.
- Provide daily monitoring, management, troubleshooting and issue resolution to systems and services hosted on cloud resources.
- Deploy multiple application and software on Kubernetes and Azure VM.
- Administrate and monitor Cloud resources on Azure.

EDUCATION AND TRAINING

06/2019   **Engineering Degree**, **Computer Engineering**
National School of Applied Sciences of Fes, FES-Morocco

06/2017   **Bachelor of Science**, **Electronics Technology**
Faculty of Sciences of El Jadida, ELJADIDA-Morocco

CERTIFICATIONS

- **CKAD: Certified Kubernetes Application Developer**
- **AWS Certified Solutions Architect – Associate**
- **HashiCorp Certified: Terraform Associate**
- **Microsoft Certified: Azure Fundamentals**
- **Terraform on IBM Cloud**
- **Scrum Foundation Professional Certificate - SFPC™**
- **IBM Cloud Private - Continuous Integration/Continuous Delivery Pipelines**
- **IBM Cloud Kubernetes Service**
- **Interskill - Mainframe Specialist - Linux Operations and Programming – Experienced**

LANGUAGES

English:
Advanced

French:
Advanced

Arabic:
Proficient