**Global Cloud Operations**

**Global Cloud Operations & Infrastructure Automation**

**Company:** SKF AB

**Duration:** *(Feb 2022 – Present)*

**📖 Project Overview**

The **Global Cloud Operations** project for SKF focused on managing and automating cloud infrastructure across multiple AWS accounts and regions. As a DevOps and Cloud Operations Engineer, I was responsible for ensuring high availability, governance, and scalability of cloud resources while implementing infrastructure-as-code and continuous deployment practices.

**🎯 Objectives**

* Centralize and streamline cloud operations across global AWS environments.
* Implement governance and compliance protocols for secure cloud usage.
* Automate provisioning and deployment using Terraform and CloudFormation.
* Monitor infrastructure health and performance using Datadog.
* Enable GitOps workflows and scalable deployments via ArgoCD and Azure DevOps.

**🛠️ Technologies Used**

| **Category** | **Tools & Technologies** |
| --- | --- |
| Cloud Providers | Amazon Web Services (AWS) |
| Infrastructure as Code | Terraform, AWS CloudFormation |
| Configuration Mgmt | Ansible |
| Monitoring & Analytics | Datadog |
| GitOps & CI/CD | ArgoCD, Azure DevOps |
| Container Orchestration | Rancher, Amazon EKS |
| Version Control | Git |

**👨‍💻 Roles & Responsibilities**

* Managed global cloud operations across multiple AWS accounts, ensuring high availability, scalability, and cost optimization.
* Implemented AWS governance strategies including IAM policies, tagging standards, and resource boundaries.
* Provisioned infrastructure using **Terraform**, enabling repeatable and auditable deployments.
* Automated resource configuration and deployment using **AWS CloudFormation** templates.
* Integrated **Datadog** for real-time monitoring, alerting, and performance analytics.
* Deployed and managed Kubernetes workloads on **Amazon EKS** and **Rancher-managed clusters**.
* Set up **ArgoCD** for GitOps-based deployment pipelines, ensuring consistency and rollback capabilities.
* Used **Azure DevOps** for CI/CD workflows, including build, test, and release pipelines.
* Maintained configuration consistency across environments using **Ansible** playbooks.
* Collaborated with global teams to align cloud operations with business and compliance goals.

**📈 Key Achievements**

* Reduced manual provisioning time by 80% through infrastructure-as-code practices.
* Achieved unified monitoring across all cloud environments using Datadog dashboards.
* Enabled GitOps workflows for faster, safer deployments with ArgoCD.
* Improved governance and compliance posture across AWS accounts.