

SK ROHIT

DevOps and Cloud Engineer

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DevOps Engineer skilled in designing and automating cloud infrastructure, CI/CD pipelines, and containerized deployments. Proficient with Azure, AWS, Docker, Kubernetes, and Terraform, with hands-on expertise in managing scalable environments and implementing GitOps practices using tools like GitHub Actions, Jenkins, and ArgoCD. Adept at streamlining development workflows, enhancing system reliability, and enabling faster and more secure software delivery. Passionate about infrastructure as code, automation, and building robust DevOps pipelines aligned with business goals.

Technical Skills

Cloud Technologies: AWS, Azure

Containerization & Orchestration: Docker, Kubernetes (EKS/AKS)

Languages: C#, YAML, Python

Version Control: Git, GitHub

Configuration Management: Ansible

Infrastructure as Code: Terraform

CI/CD Pipelines: GitHub Actions, Jenkins, Azure DevOps, Argo CD

Monitoring & Observability: Prometheus, Grafana, CloudWatch, Azure Monitor, Application Insights

DevOps Practices: Agile Methodologies, GitOps, Continuous Integration/Delivery, Automated Build/Deploy, Blue/Green & Rolling Deployments

Professional Summary

LTIMindtree, Kolkata, India — DevOps Engineer

October 2021 - Present

Projects

Automated AKS Deployment with GitHub Actions & Terraform (Azure)

Stack: Azure AKS, GitHub Actions, Terraform, Azure AD, Kubernetes, .NET

- **Automated CI/CD pipeline** for containerized .NET applications using **GitHub Actions**, eliminating manual deployment steps.
- **Modularized Terraform** configurations to output AKS and resource group variables, enabling scalable IaC patterns.
- **Resolved Azure authentication failures** by registering **service principals** in Azure AD and assigning appropriate **RBAC** roles.
- **Introduced full CI/CD automation**—build, image tag update, and deployment—all managed through **GitHub Actions CI/CD** pipeline.
- **Secured access to cloud and CI/CD tools** using **GitHub Secrets** and **Jenkins Credentials**, preventing exposure of sensitive data in pipelines.
- **Fixed CrashLoopBackOff pod errors by implementing initContainers** to adjust NGINX permissions for non-root containers.

Jenkins CI/CD & EKS Deployment for Node.js Microservices (AWS)

Stack: AWS EKS, Jenkins, Docker, Terraform, Route53, Node.js, ArgoCD

- **Built Jenkins CI/CD** pipelines for Node.js microservices, streamlining deployment cycles and reducing build time **by 40%**.
- **Migrated Jenkins worker nodes** from VMs to Docker containers, improving resource efficiency, enhancing security, and **reducing infrastructure costs**.
- **Solved Docker CLI access issues** in Jenkins by mounting the Docker socket correctly.
- **Implemented Kubernetes Ingress controllers** to securely expose microservices with centralized traffic control.
- **Integrated ArgoCD** for GitOps-based continuous deployment, enabling automatic syncing of Kubernetes manifests from GitHub and ensuring real-time deployment consistency across environments.

Organization-Wide DevOps & Terraform Backend Setup

Stack: AWS, Azure, Terraform, Git, S3, DynamoDB, Helm

- **Introduced infrastructure as code** for multi-cloud (Azure AKS, AWS EKS), creating scalable, reusable **Terraform modules**.
- **Designed and implemented Terraform remote backend** with Azure Blob Storage, AWS S3 and DynamoDB to support state locking across teams.
- **Conducted knowledge-sharing sessions** on Git workflows, CI/CD best practices, and automation principles.
- Received recognition for resolving critical **VPC/V-net peering** and DNS issues, restoring access to isolated environments.

Education Details

Master of Technology (M-Tech) — BITS Pilani (2021 - 2025)

Bachelor of Computer Application — University of Burdwan (2018 - 2021)

Awards and Achievements

- Received **Shooting Star** award for implementing 20 percent cost reduction using Terraform and Kubernetes.
- Received **Trailblazer Squad** award for outstanding performance and contributions to the Project's Success.
- Received **Super Crew (2X)** for exceptional guidance and support in troubleshooting cloud-related issues for peers and juniors.

Certifications

- **Microsoft Certified Azure Developer (AZ—204)**
- **Oracle Certified DevOps Professional (1Z0-1109-25)**
- **Introduction to Docker**
- **Version Control with Git**
- **Getting Started with Terraform**
- **Agile Project Management: Agile, Scrum, Kanban & XP**
- **Generative AI Foundation**