ANAND GUPTA

CONTACT DETAILS:

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Summary

DevOps Engineer with expertise in **Administration, Cloud Infrastructure, Kubernetes Orchestration, and CI/CD automation**. Hands-on experience in **designing, deploying, and managing scalable, secure, and highly available solutions** across Azure cloud and containerized environments. Skilled in **Azure AD, Networking, Storage, Monitoring, Security, Infrastructure as Code, Kubernetes (AKS, Helm, Operators), and DevOps automation**. Certified in **Azure Administrator (AZ-104), Azure DevOps Engineer (AZ-400), Certified Kubernetes Associate(CKA) and Terraform Associate** with a proven track record of delivering **end-to-end cloud & DevOps solutions**.

Experience

- System Engineer, Infosys-India (Jan 2021–May 2022)
- DevOps Consultant I, Neudesic (May 2022 – Jan 2023)
- Specialist, HCL Technologies (Feb 2023 – Present)

Certifications

Azure Fundamentals (AZ- 900): Microsoft

Azure Administrator (AZ-104): Microsoft

Azure DevOps Engineer (AZ-400): Microsoft

Terraform Associate (HCTAO-002): Hashicorp

Certified Kubernetes Associate (CKA) : CNCF

Google Cloud Associate : Google

Skill Summary

- **DevOps Tools**: GitHub Actions, Kubernetes, Azure DevOps, Elasticsearch, Docker, SonarQube, Jfrog Artifactory, Helm , Tanium
- **Cloud**: Azure, GCP
- **Cloud Administration (Azure):** Azure AD, RBAC, Conditional Access, Azure Policy, Key Vault, Azure Monitor, Log Analytics, App Gateway, Load Balancer, ExpressRoute, Storage Accounts, Cost Management, Governance & Landing Zones.
- **Infrastructure as Code:** Terraform
- **Version Control & Collaboration:** Git, GitHub, Azure Repos
- **Ticketing & ITSM Tools:** ServiceNow, Jira, Confluence
- **Monitoring :** Prometheus, Grafana ,Kibana
- **OS:** Linux

Projects details

✦**Azure Administration & Infrastructure Operations**

Roles & Responsibilities:

- Managed Azure Active Directory (AAD) including user, group, and RBAC configurations.
- Provisioned and maintained Azure VNets, Subnets, Application Gateway, Load Balancer, and ExpressRoute.
- Implemented Azure Security controls with Key Vault, Azure Policy, and Defender for Cloud.
- Set up monitoring and observability using Azure Monitor, Log Analytics Workspace, and Application Insights.
- Created governance model including subscription management, tagging strategy, and cost optimization.
- Authored SOPs and runbooks for Azure infra administration.

Technologies Used: Azure AD, RBAC, Azure Monitor, Log Analytics, Key Vault, App Gateway, Load Balancer, ExpressRoute, Azure

Backup, Site Recovery, Azure Policy, Defender for Cloud.

✦ Elasticsearch Administrator & Azure Migration

- Provisioned Azure VNets, Subnets, Application Gateway, and ExpressRoute for secure connectivity.
- Configured Azure AD for identity management and RBAC for access control.
- Implemented Azure Backup & Site Recovery for disaster recovery.
- Integrated Azure Monitor & Log Analytics for proactive monitoring and alerting.
- Migrated on-prem workloads into Azure Kubernetes Service (AKS) for scalability and high availability

Technologies Used: Elasticsearch, Kibana, Logstash, Ansible, Linux, Jira, ServiceNow, Confluence, Azure DevOps

✦ Research & Development of DevOps Tools

- Integrated SonarQube in Azure Pipelines for code quality and vulnerability scanning.
- Developed Terraform + Helm automation for provisioning Kubernetes clusters and workloads.
- Designed Azure Governance strategy (policies, tagging, RBAC).
- Implemented Key Vault integration with Kubernetes Secrets Store CSI driver.
- Automated CI/CD pipelines for Kubernetes workloads in AKS.

Technologies Used: Terraform, SonarQube, Azure DevOps, Visual Studio, Azure Portal, Azure Board, Agile

✦ Deployment of .NET Application on AKS (Major K8s Project)

- Provisioned **Azure AKS clusters** using Terraform and IaC best practices.
- Designed **CI/CD pipelines** in Azure DevOps for **multi-environment Kubernetes deployments**.
- Created **Helm charts** for microservices deployment, upgrades, and rollback.
- Configured **Kubernetes Ingress with Application Gateway** for external routing.
- Implemented **Pod Autoscaling (HPA, VPA)** and **Cluster Autoscaler** for cost optimization.
- Secured workloads with **Kubernetes RBAC, Network Policies, and Azure AD integration**.
- Set up **monitoring (Prometheus, Grafana, Azure Monitor)** and **logging (ELK/EFK stack)** for observability.
- Authored **SOPs and Runbooks** for AKS operations and incident response.

Technologies Used: Azure Portal, AKS, Terraform,Docker, Azure DevOps (Pipelines, Repos, Artifacts), Kubernetes, Helm, Azure AD, Application Gateway, HPA/VPA, Prometheus, Grafana, Azure Monitor, EFK/ELK stack, RBAC, Network Policies.