Mohit Manhas

Cloud DevOps Engineer

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Professional Summary

Dynamic and results-driven professional with 2.5+ years of overall experience, including 1 year as a Cloud DevOps Engineer. Adept at designing, deploying, and maintaining scalable cloud solutions on Azure and implementing DevOps methodologies, including CI/CD pipelines, infrastructure automation, and application monitoring. Skilled in application support, troubleshooting, and operational efficiency improvements. Eager to contribute technical expertise and innovative solutions to a forward-thinking organization.

Technical Proficiencies

- **Cloud Platforms:** Azure Services (Azure Kubernetes Service, Entra ID, Log Analytics, VMs, Networking, App Services).
- **DevOps Tools:** Azure DevOps (CI/CD pipelines, service connections), Terraform, Docker.
- **Scripting Languages:** Python, Bash, PowerShell.
- **Infrastructure as Code (IaC):** Terraform for automated Azure resource provisioning.
- **Networking:** VPNs, VNETs, Network Security Groups, Azure Load Balancer, App Gateway.
- **Monitoring Tools:** Grafana, Log Analytics, Application Insights.

Core Skills

- **Application Deployment & Troubleshooting**
- **CI/CD Pipelines and Automation**
- **Infrastructure as Code (Terraform)**
- **Cross-Team Collaboration & Leadership**
- **Advanced Problem-Solving**
- **Secure Access Management with Azure AD & RBAC**
- **Application Support & Maintenance**

Professional Experience

Infosys Limited, Chandigarh — *Senior System Engineer*
March 2022 - PRESENT

- **December 2023 - Present:** Transitioned to a Cloud DevOps Engineer role, managing and maintaining a data science platform hosted on Azure Kubernetes Service (AKS) for a leading consumer goods client.
    - Developed and optimized CI/CD pipelines using Azure DevOps for seamless deployment of microservices to Azure (App Service, Azure Kubernetes Service, and Azure Container Instances).
    - Automated infrastructure provisioning and deployment using Terraform integrated with Azure DevOps pipelines.
    - Implemented robust application monitoring with tools such as Grafana, Log Analytics, and Application Insights.
    - Enhanced security by configuring role-based access control (RBAC) and identity management using Azure AD and Service Principals.
- **September 2022 - November 2023:** Worked as part of the Application Support team for a leading consumer goods client, ensuring uptime and resolving technical issues efficiently.
    - Conducted regular system health checks and performance tuning, ensuring optimal application performance.
    - Automated routine L2 activities using Python and Powershell.
    - Streamlined operations by automating monitoring processes with Python and Selenium, reducing manual interventions.
    - Led the Support team to resolve 10+application issues monthly through analysis and collaboration.

Key Achievements:

- Reduced deployment time by 40% through the implementation of automated CI/CD pipelines.
- Improved application uptime and reliability by implementing proactive monitoring and troubleshooting strategies.
- Achieved a 20% reduction in monthly ticket flow by implementing proactive monitoring and alerting mechanisms.

Certifications

- **Microsoft Certified: Azure Administrator Associate (Az-104)**
- **Microsoft Certified: Azure Network Engineer Associate (Az-700)**
- **Microsoft Certified Fundamentals:** Azure (Az-900), Data (DP-900), and Security & Compliance (SC-900)
- **AWS Certified Cloud Practitioner**

Education

Thapar Institute of Engineering & Technology, Patiala — *Bachelor's Degree in Mechanical Engineering*
Aug 2017 - July 2020, Patiala

Projects

- **Automated Monitoring System:** Developed a Python-based solution using Selenium to automate module monitoring, enhancing efficiency and accuracy.
- **Cloud Microservices Deployment:** Designed CI/CD pipelines deploying Dockerized microservices to Azure services (Kubernetes Service, Web App, ACI) using Terraform, improving deployment consistency and reducing errors.