Ashish Bhargav Gampa

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Summary

A DevOps/Cloud Engineer with over 5 years of experience in designing, automating, and optimizing scalable cloud infrastructure and CI/CD pipelines. Adept at leveraging AWS, Azure, and containerization technologies to enhance system reliability, streamline deployments, and ensure seamless integration of cloud-based solutions.

Technical Skills

Cloud Platforms: AWS, Microsoft Azure, Google Cloud Platform (GCP)
Infrastructure as Code (IaC): Terraform, AWS CloudFormation, ARM Templates, Pulumi
Containerization & Orchestration: Docker, Kubernetes (EKS, AKS), Helm Charts
CI/CD Tools: Azure DevOps Pipelines, Jenkins, GitLab CI/CD, GitHub Actions
Configuration Management: Ansible, Puppet, Chef.
Scripting & Automation: Python, Bash, PowerShell, Groovy.
Monitoring & Logging: Prometheus, Grafana, ELK Stack, AWS CloudWatch, Datadog.
Certifications: Certifications: AWS Certified DevOps Engineer – Professional, Microsoft Certified: DevOps Engineer Expert

Professional Experience

Azure DevOps Engineer, *Lockheed Martin* 05/2024 – Present | USA

- Architected the migration of on-prem applications to Azure, reducing infrastructure costs by **25%** and increasing application scalability to handle a **40%** increase in user traffic.
- Cut deployment time by **50%** by building Terraform templates to automate the provisioning of V-Nets, VM Scale Sets, and Load Balancers.
- Engineered a zero-downtime deployment strategy for microservices on AKS using Azure DevOps, achieving **99.99%** uptime and eliminating manual rollback incidents.
- Implemented a robust disaster recovery plan using Azure Recovery Vault and automated backups, reducing potential recovery time (RTO) from 12 hours to under 1 hour.

AWS DevOps Engineer, *T.Rowe Price* 11/2022 – 04/2024 | USA

- Decreased cloud spend by over **$15,000**/month by creating Ansible Playbooks in Jenkins to automate the start/stop schedule for non-production EC2 and RDS resources.
- Reduced environment provisioning time from 3 days to 2 hours by developing a comprehensive Infrastructure as Code framework using CloudFormation and Python scripts.
- Increased application fault tolerance and availability to **99.95%** by deploying and managing EC2 instances behind an Elastic Load Balancer (ELB) with auto-scaling groups.
- Automated the deployment and testing of **12+** applications by establishing a full CI/CD pipeline using Docker, GitHub, and AWS services, resulting in a **75%** reduction in manual deployment errors.
- Optimized Amazon Redshift query performance by **30%** through strategic table tuning and data validation scripting in Python.

DevOps Engineer, *AXA* 06/2021 – 07/2022 | India

- Managed a containerized environment using Docker Swarm and later Kubernetes, supporting a large-scale microservices application deployment model.
- Automated system operations and server configuration management for Azure VMs using Ansible, creating custom roles that reduced manual setup time by **90%**.
- Built and maintained a full-cycle continuous delivery pipeline with Jenkins, automating deployments to Tomcat application servers for multiple development teams.

Cloud Engineer, *Barclays* 05/2020 – 05/2021 | India

- Created a fully version-controlled infrastructure on AWS using Terraform and CloudFormation, enabling repeatable and consistent web application deployments.
- Implemented a monitoring stack using Prometheus and Grafana for Kubernetes clusters, providing real-time visibility into application performance and reducing incident response time by **40%.**
- Managed source code on Bitbucket and built automated CI/CD pipelines in Jenkins to deploy microservices into a Docker registry for containerized deployments on ECS.

Education

Master's In Information Systems, *University of Maryland Baltimore County* Aug 2022 - May 2024 | Baltimore, USA
Information Technology