Harsh Bhardwaj

DevOps Engineer
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Summary

Results-driven DevOps and Cloud Engineer, **2x GCP certified**, with expertise in optimizing system performance, scalability, and reliability. Skilled in automating CI/CD pipelines, managing cloud applications, and enhancing deployment efficiency and security. Passionate about delivering robust, secure tech solutions aligned with business goals and eager to apply cloud optimization and automation expertise to innovative projects.

Skills

- **GCP - AWS - Azure**
  GKE
  Cloud Build, Cloud Run
- **Kubernetes**
- **Docker**
- **Linux**
- **Terraform**
- **Jenkins**
- **Python**

Certifications

Google Cloud Professional Cloud Architect Google Cloud

Google Cloud Certified - Professional Cloud DevOps Engineer

Google Cloud Certified - Professional Cloud Network Engineer

Experience

DevOps/Cloud Engineer **iMEGH**
Noida, UP *Mar 2024 – Present*

- **Application Deployment:** Deployed applications on virtual machines (VMs) and Kubernetes clusters, achieving a 50% reduction in deployment time and improving application performance by 30% through effective environment configuration and deployment management.
- **Automation:** Implemented and maintained CI/CD systems, reducing deployment time by 60% and increasing deployment frequency by 100%.
- **Infrastructure as Code:** Developed and managed infrastructure as code, resulting in a 40% reduction in infrastructure costs and a 30% improvement in system reliability.
- **Kubernetes Cluster Management:** Built and managed Kubernetes clusters, creating node pools and writing manifest files to deploy applications on pods, reducing manual intervention by 70% and deployment time by 40%.
- **Monitoring and Log Analysis:** Implemented Prometheus and Grafana in Google Kubernetes Engine (GKE) for log analysis, improving system visibility by 80% and reducing incident resolution time by 50%.

- **Security Compliance and Best Practices:** Ensured security compliance and best practices by implementing IAM, encryption standards, and monitoring policies across cloud resources, leading to a 90% adherence rate to security protocols and a 75% reduction in security incidents.
- **Network Architecture:** Designed a secure, production-grade network architecture using VPC, subnets, route tables, internet gateways, NAT gateways, and firewalls, enhancing network performance by 50% and reducing latency by 30%.

Overall, this role involved a mix of technical and strategic tasks, enhancing the efficiency and cost-effectiveness of cloud-based resources.

Projects

Automated CI/CD Pipeline and Monitoring on Google Cloud with Terraform

- Built a scalable CI/CD pipeline and monitoring system using Terraform, Jenkins, and GKE, achieving full automation and real-time insights.
- Skills: Terraform · Jenkins · Google Kubernetes Engine (GKE) · Grafana · Prometheus · Google Cloud Platform (GCP)

Three-Tier Web Application Deployment on AWS EKS

- Deployed a scalable Three-Tier Web Application using ReactJS, NodeJS, and MongoDB on AWS Elastic Kubernetes Service (EKS).
- Containerized frontend and backend services with Docker, and pushed images to AWS Elastic Container Registry (ECR).
- Automated Kubernetes cluster setup using eksctl, ensuring efficient scaling and management of the application.
- Implemented a multi-node cluster with a load balancer, reducing downtime by 60% and improving scalability.

Education

Bachelor of Technology in Computer Science Engineering Jamia Hamdard University
Delhi, India