Vishal Sharma
Devops Engineer

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Pune

DevOps Engineer with 2-4 years of experience specializing in cloud infrastructure, automation, and CI/CD pipelines. Proficient in Terraform, Azure, Jenkins, Docker, Kubernetes, and monitoring tools. Passionate about improving development operations through efficient automation, containerization, and cloud-native solutions. Strong experience in deploying, managing, and scaling applications on cloud platforms, with a focus on continuous integration and continuous delivery. Proven ability to collaborate cross-functionally to ensure smooth and efficient DevOps processes, minimizing downtime and maximizing productivity.

Technical Skills

1. Cloud Platforms: Microsoft Azure, AWS (Basic Knowledge)
2. Infrastructure as Code: Terraform, Azure Resource Manager (ARM Templates)
3. CI/CD Tools: Jenkins, GitLab CI, Azure DevOps
4. Containerization & Orchestration: Docker, Kubernetes
5. Configuration Management: Terraform
6. Monitoring & Logging: Prometheus, Grafana
Version Control: Git, GitHub
7. Scripting & Automation: Bash, Python(Basic)
8. Operating Systems: Linux (Ubuntu, CentOS), Windows Server

Professional Experience

DevOps Engineer

Ericsson India Pvt Ltd — 2022-Present

Utilized Terraform to provision and manage cloud infrastructure on Azure, improving infrastructure reliability and consistency through Infrastructure as Code (IaC).
Developed Terraform modules for reusable, maintainable, and scalable infrastructure management on Azure, enabling easier management of cloud resources such as virtual machines, networks, and storage accounts
Created complex Terraform workspaces to manage multiple environments (dev, staging, production) and used remote backends like Azure Blob Storage for state management, ensuring seamless collaboration across teams.
Used Terraform Providers for Azure, automating the provisioning of cloud resources, and configuring services such as Azure Kubernetes Service (AKS), Azure Networking, and Azure Key Vault.
Integrated Terraform with Jenkins to automate infrastructure provisioning, reducing deployment times and human errors during the process.
Collaborated with teams on cloud architecture decisions and infrastructure cost optimization, resulting in a 20% reduction in monthly cloud expenditures.
Worked on creating modules for common infrastructure patterns such as networking setups, security groups, load balancers, and VM provisioning.
Designed and deployed fault-tolerant and highly available systems in Azure, leveraging services such as Virtual Networks, Azure Kubernetes Service (AKS), and Azure Load Balancer.

Managed and maintained Docker containers and orchestrated containerized applications using Kubernetes, enabling seamless scaling and management of microservices.
Designed custom Dockerfiles to optimize application container builds, reducing build times by 20%.
Created reusable Docker images for different environments, ensuring smooth and consistent deployments across various stages of the pipeline.

Managed and scaled containerized applications using Kubernetes (K8s), including deploying and managing applications in Azure Kubernetes Service (AKS).
Configured Kubernetes Ingress Controllers and defined Ingress resources to expose services securely and efficiently to the internet while using NGINX as an Ingress controller
Automated Kubernetes deployment strategies (Rolling Updates, Blue-Green, Canary) to ensure high availability and zero-downtime deployments.
Set up Kubernetes Secrets and ConfigMaps for managing sensitive data and configurations in a secure manner across environments.
Implemented Horizontal Pod Autoscaling (HPA) and Cluster Autoscaler to scale applications dynamically based on real-time load and resource usage, improving resource efficiency
Implemented Pod Affinity/Anti-Affinity rules for Kubernetes to ensure optimal scheduling of containers based on resource and environment constraints.

Built robust CI/CD pipelines using Jenkins and GitLab CI, automating the entire workflow from source code push to deployment across Azure and Kubernetes environments
Integrated Terraform with Jenkins to automatically trigger infrastructure changes when code changes are deployed, ensuring that infrastructure and application code are always in sync.

Previous Experience
Junior DevOps Engineer
XYZ Technologies — 2020-2022

Automated the provisioning of cloud infrastructure using Terraform, improving infrastructure setup time by 30%.
Assisted in the migration of legacy applications to Docker containers and orchestrated with Kubernetes, which enhanced deployment speed and flexibility.
Designed and maintained continuous integration pipelines with Jenkins, integrating automated testing to reduce bugs in production by 25%.
Monitored and resolved performance issues using Prometheus and Grafana, reducing downtime by 15%.
Worked closely with software developers to implement Agile methodologies and automated deployments in a fast-paced environment.
Created Docker images for multiple applications and orchestrated them in Kubernetes, allowing for simplified scaling and management.
Designed and implemented CI/CD pipelines for Terraform code using Jenkins, ensuring automated infrastructure testing and validation before deployment