

Ramamohan S

Lead DevOps Consultant

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Objective

Results-driven DevOps leader with 11+ years of experience in architecting and optimizing CI/CD pipelines and cloud-native infrastructure across multi-cloud environments (Azure & GCP). Proven expertise in Kubernetes cluster administration, Infrastructure as Code (Terraform), and containerized deployments, enabling faster release cycles and enhanced platform reliability. Adept at delivering automated, scalable solutions aligned with business objectives while fostering innovation through modern DevOps practices. Passionate about advancing Kubernetes mastery and leveraging AI-driven development tools to transform workflows. Actively pursuing certifications including **Certified Kubernetes Administrator (CKA)** and **GitHub Copilot** to accelerate automation and innovation in cloud ecosystems.

Technical Skills

Azure, GCP, DevOps, Kubernetes, Terraform, Ansible, CICD(Azure DevOps, Jenkins, GitHub Actions, ArgoCD), Migration, Site Reliability Engineer, Git, GitHub, Azure Repos, Bash, Python, Datadog, Prometheus, Grafana, ELK, BigPanda, PagerDuty, Hashicorp Vault, Fortify, Jira, ServiceNow

Experience

Lead DevOps Engineer, UST Global - Bangalore,

July 2022 – Present

Responsibilities:

- Leveraged 11+ years of experience to architect and deploy scalable **GCP** and **Azure** solutions, optimising operational efficiency and multi-cloud performance.
- Certified **Azure Solutions Architect DevOps Engineer Expert** with advanced proficiency in **Terraform**-driven automation and DevOps best practices.
- Engineered **Microservices** and **Serverless** architectures using Horizontal Scaling to support a 40x increase in traffic.
- Optimized **CI/CD** and **IaC** workflows to accelerate release velocity and improve system Observability.
- Achieved 99.99% uptime by designing **Multi-Region**, Auto-healing architectures for robust **Disaster Recovery**.
- Secured cloud workloads by implementing **Zero Trust**, **Least Privilege**, and end-to-end Encryption.
- Managed Compliance via automated Policies and Audits, ensuring SOC2 and GDPR alignment.
- Engineered and managed multi-cloud **Kubernetes** clusters using Docker and Helm on Azure and GCP (**AKS**, **GKE**) to deploy scalable containerised applications.
- Engineered and deployed **Istio Service Mesh** across a multi-cluster Kubernetes environment, standardising traffic management, security policies, and observability for 50+ microservices.
- Reduced cloud costs 25% through **FinOps** best practices, Resource Tagging, and instance Right Sizing.
- Integrated and operated **HashiCorp Vault** with Terraform, Azure DevOps, and GCP, deploying Vault in highly available environments.
- Automated CI/CD using **GitHub Actions** and Maven/Gradle to streamline artifact deployment across multi-stage environments.
- Automated **Azure**, **GCP** infrastructure provisioning and configuration using **Terraform** and **Ansible** to reducing manual effort and improving reliability.
- Defined and operationalised SLIs/SLOs and Error Budgets (latency, availability, saturation), leading **Incident Management** and Post-mortems to reduce MTTR.
- Engineered end-to-end **Observability** (metrics, logs, traces) using **Prometheus**, **ELK**, and **Datadog** to automate anomaly detection and accelerate root cause analysis.
- Mentored junior engineers and provided technical leadership to cross-functional teams in agile environments.
- Built strong relationships with stakeholders and improved developer experience through modernized tooling and processes.

Senior Associate Consultant, Infosys Limited - Hyderbad,

March 2019 – July 2022

Responsibilities:

- Automated Azure infrastructure provisioning using Terraform, deploying AKS, VNets, NSGs, Load Balancers, and storage services across all environments.
- Built Azure DevOps CI/CD pipelines integrating Terraform and Helm, reducing manual effort by 80% and ensuring consistent AKS deployments.
- Designed and implemented scalable CI pipelines using GitHub Actions to automate source code compilation and artifact generation with Maven and Gradle.
- Configured Azure networking (VNet peering, private endpoints, App Gateway) to enable secure, high-performance microservices communication.
- Implemented persistent Kubernetes storage using Azure Disk and Azure Files to support stateful workloads.
- Hardened AKS clusters with network policies, Azure RBAC, private endpoints, and Key Vault-based secret management.

Senior Project Engineer, Wipro Limited - Bangalore,

Nov 2017 – Feb 2019

Responsibilities:

- Built automated CI/CD pipelines using Jenkins and GitHub Actions for Java applications on Azure, reducing deployment time by 60%.
- Configured multi-branch pipelines to improve CI efficiency and accelerate release cycles.
- Provisioned Azure infrastructure (VMs, VNets, AKS, ACR) using IaC for scalable and secure deployments.
- Containerized Java microservices with Docker and deployed them on AKS to enhance scalability and reliability.

Software Engineer, Intelli swift Software India Private Limited - Bangalore,

May 2017 – Aug 2017

Responsibilities:

- Implemented and administered CI/CD processes using Jenkins for automated build and deployment workflows.
- Managed Red Hat servers, including installation, configuration, backup, and recovery activities.
- Performed package installation/upgrade, patching, configuration management, version control, and security troubleshooting.
- Handled core Linux administration tasks such as user management, volume configuration, filesystem setup, service configuration, firewall management, and system monitoring.

System engineer, PWC - Bangalore,

Nov 2014 – Apr 2017

Responsibilities:

- Managed 100+ Linux servers (RHEL, Ubuntu, CentOS) in production, ensuring 99.9% uptime through proactive monitoring, patching, and troubleshooting.
- Automated routine admin tasks using Bash/Python, reducing manual effort by 50%.
- Configured and optimized Apache/Nginx, SSH, and cron jobs to improve performance and security

Certifications

- ❑ Certified Terraform Associate
- ❑ Certified Azure Administrator
- ❑ Certified Azure Security Engineer
- ❑ Certified Azure DevOps Engineer
- ❑ Certified Azure Solution Architect
- ❑ Certified Azure AI Fundamentals
- ❑ Certified GCP Cloud Engineer Asst
- ❑ Certified GitHub Actions

Education

BTECH, Electrical And Electronics Engineering

2010 – 2014

- JNTU Ananthapur.