

Rakshith K V

Cloud Engineer | DevOps Engineer | System Administrator

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PROFESSIONAL SUMMARY

AWS Certified Cloud & DevOps Engineer with 4+ years of experience designing, automating, and managing secure, highly available cloud infrastructure across AWS and DigitalOcean, with working knowledge of Microsoft Azure and Google Cloud Platform. Experienced in Infrastructure as Code (Terraform, CloudFormation, Bicep), Kubernetes, Docker, CI/CD automation, Linux administration, cloud networking, production monitoring, cloud security, and DevSecOps practices. Proven ability to reduce deployment time by 60%, optimize cloud costs by 25%, and maintain 99.9% production uptime through automation, infrastructure optimization, and proactive monitoring.

TECHNICAL SKILLS

Cloud Platforms: AWS, Microsoft Azure, Google Cloud Platform (GCP), DigitalOcean

AWS Services: EC2, VPC, IAM, S3, RDS, Lambda, EKS, CloudWatch, Route 53, Auto Scaling, ALB, CloudFormation, Security Groups

IaC & Automation: Terraform, AWS CloudFormation, Azure Bicep, Ansible

Containers & Orchestration: Docker, Kubernetes, Amazon EKS, Helm

CI/CD & DevOps: GitHub Actions, Jenkins, GitLab CI/CD, Git, GitHub

Monitoring & Logging: Amazon CloudWatch, New Relic, Zabbix, Uptime Robot

Scripting: Python, Bash, PowerShell

Databases: PostgreSQL, MySQL, MongoDB

Security: AWS IAM, HashiCorp Vault, SSL/TLS, Cloudflare, strongSwan VPN, Least Privilege Access

Networking: VPC, Subnets, NAT Gateway, DNS, Cloudflare DNS, NGINX, Load Balancer, Reverse Proxy, VPN, Firewall, Network ACL

Operating Systems: Ubuntu, CentOS, Windows Server

Collaboration Tools: Jira, Slack

PROFESSIONAL EXPERIENCE

Cloud Engineer

Server Pundits | Mangalore, India | May 2023 – Present

- Designed, deployed, and managed scalable AWS and DigitalOcean cloud infrastructure using Terraform, CloudFormation, and Ansible, reducing manual provisioning effort by 60%.
- Built reusable Infrastructure as Code (IaC) modules to standardize development, staging, and production environments.
- Designed and managed Kubernetes (Amazon EKS and self-managed clusters) hosting containerized production workloads using Docker and Helm.
- Configured NGINX reverse proxy and load balancing to improve application performance, scalability, and availability.
- Developed and maintained CI/CD pipelines using GitHub Actions and Jenkins, automating build, testing, and deployment for more than 10 production applications.
- Implemented HashiCorp Vault for centralized secrets management, eliminating hardcoded credentials and improving organizational security.
- Configured secure site-to-site VPN connectivity using strongSwan and Cloudflared between on-premises infrastructure and AWS cloud environments.
- Administered PostgreSQL, MySQL, and MongoDB production databases, including backup automation, replication, disaster recovery planning, and performance tuning.
- Implemented AWS IAM policies, security groups, VPC networking, firewall rules, and least-privilege access controls to strengthen cloud security.
- Configured proactive monitoring, alerting, and observability using Amazon CloudWatch, New Relic, and Zabbix, maintaining 99.9% production uptime.
- Optimized AWS cloud infrastructure using Reserved Instances, Auto Scaling strategies, and right-sizing techniques, reducing monthly cloud expenditure by approximately 25%.
- Collaborated closely with development, QA, and infrastructure teams to improve deployment reliability, application performance, and release efficiency.

System Administrator

Server Pundits | Mangalore, India | May 2022 – May 2023

- Installed, configured, and administered Linux (Ubuntu, CentOS) and Windows Server environments supporting more than 30 production servers.
- Managed Active Directory, DNS, DHCP, IIS, and Group Policy administration across enterprise environments.
- Performed operating system patching, server hardening, vulnerability remediation, and routine maintenance activities.
- Diagnosed and resolved Linux, Windows, networking, firewall, and routing issues, reducing Mean Time To Resolution (MTTR) by 40%.
- Managed user accounts, permissions, access policies, and authentication while ensuring compliance with organizational security standards.
- Developed infrastructure documentation, SOPs, and operational runbooks that improved onboarding efficiency and knowledge sharing.

KEY PROJECTS

AWS Infrastructure Automation

- Built reusable Terraform modules for provisioning AWS infrastructure (EC2, VPC, IAM, Security Groups, Load Balancers, RDS).
- Reduced infrastructure deployment time by 60%.

Kubernetes Production Platform

- Managed production Kubernetes clusters using Docker and Helm.
- Configured ingress, load balancing, rolling deployments, and high availability — achieving 99.9% uptime.

CI/CD Automation

- Designed end-to-end CI/CD pipelines using GitHub Actions and Jenkins.
- Automated application build, testing, and deployment — reducing release cycles from hours to minutes.

Cloud Cost Optimization

- Optimized AWS infrastructure through Reserved Instances, Auto Scaling, and resource right-sizing.
- Reduced monthly AWS expenditure by approximately 25%.

CERTIFICATIONS

- [AWS Certified Solutions Architect](#) – Associate
- Microsoft Azure Administrator (AZ-104) – Training Completed

EDUCATION

Diploma in Computer Science Engineering

2018 – 2021

KEY ACHIEVEMENTS

- Reduced infrastructure provisioning time by 60% through Infrastructure as Code (Terraform).
- Achieved 99.9% uptime across critical production environments.
- Reduced AWS cloud expenditure by 25% through infrastructure optimization.
- Implemented centralized secrets management using HashiCorp Vault.
- Built fully automated CI/CD pipelines, reducing deployment time from hours to minutes.
- Improved cloud infrastructure reliability through automation, monitoring, and security best practices.