

RITESH PRASAD

Cloud & DevOps Engineer | AWS | Kubernetes | Terraform | CI/CD

📞 7031218049 ✉️ ritesh010996@gmail.com 🔗 [linkedin.com/riteshprasad-CloudOps](https://www.linkedin.com/in/riteshprasad-CloudOps) 🐙 github.com/Ritesh-Prasad 📁 portfolio.riteshcloudops

PROFILE SUMMARY

Cloud & DevOps Engineer with nearly 2 years of experience in designing, automating, and managing cloud infrastructure on AWS. Skilled in CI/CD automation, Infrastructure as Code (Terraform), Docker, Kubernetes, Jenkins, GitHub Actions, Linux administration, and production deployment. Experienced in implementing secure, scalable, and highly available cloud architectures, monitoring solutions, and DevSecOps practices. Strong expertise in application migration, infrastructure automation, troubleshooting, and cloud-native technologies. Optimized deployment processes, improved system reliability, and enhanced operational efficiency through automation.

TECHNICAL SKILLS

- **Cloud Platforms** : AWS (EC2, VPC, IAM, S3, ALB, ASG, Route53, ACM, RDS, CloudWatch, WAF), Azure
- **Containers & Orchestration** : Docker, Kubernetes (EKS), Helm, ArgoCD
- **CI/CD & Build Tools** : Jenkins, GitHub Actions, GitLab CI/CD, Maven
- **Infrastructure as Code** : Terraform, Terraform Cloud
- **Operating Systems** : Linux (Ubuntu, Amazon Linux, RedHat)
- **Web Servers** : Nginx, Apache, Tomcat
- **Monitoring** : Prometheus, Grafana, CloudWatch
- **Security** : SonarQube, Trivy, IAM, Security Groups, SSL/TLS
- **Version Control** : Git, GitHub
- **Languages** : Python, Bash
- **Databases** : MySQL, Amazon RDS

WORK EXPERIENCE

TECH GURU IT SOLUTIONS

Sep 2024 – Present

Cloud & DevOps Engineer

New Delhi, Delhi

Responsibilities

- Designed, deployed, and maintained highly available and secure AWS infrastructure using EC2, VPC, IAM, ALB, Auto Scaling, Route 53, ACM, S3, RDS, CloudWatch, and AWS WAF for production applications.
- Built complete CI/CD pipelines using Jenkins and GitHub Actions for automated build, testing, and deployment.
- Automated cloud infrastructure provisioning using Terraform modules and remote state management.
- Containerized applications using Docker and deployed production workloads on Kubernetes (EKS) using Helm and ArgoCD.
- Configured Nginx, Apache, and Tomcat web servers for PHP, Node.js, and Java applications.
- Managed Linux (Ubuntu & Amazon Linux) servers including security hardening, SSH configuration, firewall (UFW), Fail2Ban, backups, and performance tuning.
- Implemented monitoring and alerting using Prometheus, Grafana, CloudWatch, and AlertManager.
- Integrated SonarQube and Trivy into CI/CD pipelines to improve code quality and container security.
- Managed Route 53 DNS, ACM and Let's Encrypt SSL certificates, Application Load Balancers, and secure production networking.
- Collaborated with developers to automate deployments and troubleshoot production issues, reducing deployment time by over 80%.

PROJECTS

Production-Ready CI/CD Pipeline for Microservices

- Designed an end-to-end production-grade CI/CD pipeline for multiple microservices.
- Automated source code checkout, Maven build, unit testing, Docker image creation, Trivy vulnerability scanning, and Kubernetes deployment.
- Integrated SonarQube quality gates and Trivy security scanning.
- Implemented GitOps deployment using ArgoCD.
- Reduced deployment time from hours to minutes through full automation.

AWS Three-Tier Highly Available Infrastructure

- Designed a secure three-tier architecture on AWS.
- Provisioned infrastructure using reusable Terraform modules.
- Configured public/private subnets, Internet Gateway, NAT Gateway, Security Groups, and Route Tables.
- Implemented Application Load Balancer with Auto Scaling Groups.
- Configured Route53 DNS and ACM SSL certificates.
- Improved application availability and scalability.

Production Migration of PHP Application from Azure to AWS

- Migrated a monolithic PHP application from Azure to AWS.
- Provisioned AWS infrastructure using Terraform.
- Configured Ubuntu, Nginx, PHP-FPM, SSL, DNS, and Load Balancer.
- Optimized application performance and reduced downtime during migration.
- Performed post-migration validation and monitoring.

ACADEMIC CREDENTIALS

Education – BTech (Computer Science & Engineering) Surendra Institute of Engineering and Management CGPA: 8.31 2021 – 2024

Certificates – Multi-Cloud DevOps with Generative AI – Naresh i Technologies

LANGUAGES

English, Hindi, Nepali