

Parthasarathi V *DevOps Engineer*

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Professional Summary

Results-driven DevOps Engineer with hands-on experience in cloud computing and infrastructure automation. Proficient in Kubernetes, Terraform, Docker, and CI/CD pipelines, with a focus on deploying and automating scalable cloud infrastructure.

Skills

DevOps & Automation

- Infrastructure as Code: Terraform, Ansible.
- Container Orchestration: Kubernetes.
- Version Control: GitHub.
- Containerization: Docker.
- CI/CD Tools: Jenkins.
- GitOps: ArgoCD.
- DB: MySQL, MongoDB, PostgreSQL.

Development & Tools

- Scripting : Shell, Python, Groovy.
- Configuration : YAML.
- Monitoring : Prometheus & Grafana.

Cloud Infrastructure (AWS)

- Core Services: EC2, VPC, IAM, Lambda, AutoScaling, Route 53.
- Monitoring & Security: CloudWatch, CloudTrail, Secrets Manager.
- Network: Application/Network LoadBalancers, VPC.
- CI/CD & Deployment: CodePipeline, CodeDeploy.
- Storage & CDN: S3, EBS, EFS, CloudFront.
- Container Services: ECR, EKS.

Professional skills & Competencies

- Production Deployment Management.
- Zero-Downtime Deployment Expertise.
- Change Management.

Certifications

- DevOps Certification Program - GUVI (2025).
- Red Hat Linux Training - RedHat (2023).
- Big Data Analytics - NaanMudhalvan (2022).

Projects/Professional Experience

Web Store Application

- Implemented a **CI/CD pipeline** with Jenkins to deploy a Dockerized React app on an AWS EC2 instance. Integrated GitHub for version control and used **Docker Compose** to manage multi-container setup. **Reduced deployment time by 60%** through pipeline automation and container orchestration.

E-Commerce website

- Developed and deployed a React-based web app (Trend) using Jenkins CI/CD, Docker, and AWS EC2. Later migrated to a **Kubernetes cluster** for scalable, reliable orchestration and deployment. **Increased availability by 99.9%**, and **reduced manual intervention by 80%** through automated scaling and health checks.

Achievements

- Automated Terraform workflows, reducing infrastructure deployment time by 80% and improving efficiency.
- Assisted in project maintenance and issue resolution, with experience in Windows/Server Administration, Active Directory, and SQL databases.

Education

08/2020 – 06/2024
Coimbatore

B.E - Computer Science and Engineering
CMS College of Engineering and Technology ,Anna University.

CGPA - 7.2