Technical Skills

| * Cloud & Cloud Services : * Containerization & Orchestration : * Integration & Deployment (CI/CD) : * Infrastructure as Code (IAC) : * Build & Artifact Management : | AWS (EC2, S3, VPC, IAM, EBS, etc.)  Docker, Kubernetes, EKS, Helm  Jenkins, ArgoCD, Git-Hub Actions  Ansible, Terraform  Maven, Nexus | * Version Control : * Methodologies : * Security Tools : * Scripting lang : * Other Skills : | Git, Git-Hub  Agile, SDLC  SonarQube, Trivy  Shell, Bash, YAML, Groovy  Linux (Ubuntu, RHEL) |
| --- | --- | --- | --- |

Professional Experience

**DevOps Engineer,** *Tata Consultancy Services Mumbai, 11/2023 - Present*

* Enhanced version control by centralizing 50+ Shell, Terraform, and Ansible scripts in GitHub, streamlining collaboration, and improving code maintainability and development efficiency.
* Optimized CI/CD pipeline by implementing Kubernetes, Docker, Jenkins, and Argo CD, reducing deployment time, improving deployment speed and reliability, and enabling faster feature delivery.
* Developed an automated AWS infrastructure provisioning and configuration management system using Terraform, Ansible, and GitHub Actions, reducing setup time from 2 hours to 30 minutes (75%) while ensuring consistent, reliable deployments.
* Reduced Docker image size by 90% (from 1GB to 100MB) through the implementation of multi-stage builds, resulting in faster deployment times, lower storage costs, and improved efficiency in the production environment.
* *Technologies used:*Ansible, Terraform, Jenkins, GitHub Actions, Argo CD, Docker and Kubernetes.

**Junior DevOps Engineer,** *Tata Consultancy Services* *Hyderabad,* *02/2022 - 11/2023*

* Streamlined CI/CD pipelines with Maven and Jenkins, integrating SonarQube for code quality analysis; resulting in faster build times and increased deployment frequency from bi-weekly to weekly, enhancing overall productivity.
* Migrated over 20 freestyle jobs into automated pipelines using Groovy declarative scripts, reducing deployment errors and enhancing team productivity by refining CI/CD workflows.
* Implemented scalable application traffic routing by integrating AWS ALB, Route 53, and NGINX Ingress Controller within an Amazon EKS cluster, ensuring 99.99% availability and reducing latency by 25% for microservices.
* Engineered an end-to-end CI/CD solution, reducing feature deployment time from 4 hours to 10+ minutes, enhancing deployment frequency and operational agility.
* *Technologies used:*Jenkins, Maven, SonarQube, Nexus, Docker, Docker-Hub, AWS, EC2, AWS ECR, AWS EKS.

Personal Projects

Mastering VPC Creation with Terraform & GitHub Actions: [*GitHub*](https://github.com/naveensilver/VPC-Terraform-GitHub-Action.git)

* Created a VPC infrastructure with subnets, internet gateway, route tables, EC2 instances, and an application load balancer using Terraform and GitHub Actions, achieving secure, scalable, and orchestrated deployments.
* Technologies: Terraform, GitHub Actions, AWS VPC, IAM, EC2

Innovative Deployment Pipeline: [*GitHub*](https://github.com/naveensilver/End-2-End-Kubernetes-Three-Tier-DevSecOps-Project.git)

* Designed and implemented a fully innovative CI/CD pipeline using Jenkins, Docker, Kubernetes, and ArgoCD, with monitoring via Prometheus and Grafana. Reduced deployment time by 50% and increased deployment frequency, enhancing release efficiency and system reliability.
* Technologies: Jenkins, Docker, Kubernetes (K8s), ArgoCD, Prometheus and Grafana

Certifications

* AWS Certified Cloud Practitioner [*Credly*](https://www.credly.com/badges/d67f6acf-4fd9-4032-9190-a282913552de/public_url)
* AWS Certified Solutions Architect - Associate [*Credly*](https://www.credly.com/badges/67c32b74-9fab-4620-9dd9-a43d4511801b/public_url)

Education

* Bachelor’s Degree | Jawaharlal Nehru Technological University Hyderabad *India | 05/2016 - 04/2020*