

JAYA PRAKASH S

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LinkedIn | GitHub | Portfolio

Professional Summary

AWS Certified Cloud Practitioner with hands-on experience building end-to-end cloud infrastructure and containerized application platforms. Proficient in AWS, Terraform, Ansible, Docker, Kubernetes (K3s), ArgoCD, GitOps, Prometheus, Grafana, and GitHub Actions CI/CD pipelines. Seeking Junior DevOps Engineer, Cloud Engineer, SRE, or Platform Engineer roles.

Technical Skills

Cloud & Infrastructure: AWS (EC2, IAM, VPC, Subnets, Route Tables, IGW, Security Groups, Elastic IP, S3, CloudWatch, RDS, Route 53, Lambda, SNS), Terraform (IaC), Ansible (Configuration Management)

Containers & Orchestration: Docker, Kubernetes (K3s), ArgoCD, GitOps, Deployments, Services, ConfigMaps, Secrets, PVC, ServiceMonitors, Rolling Updates, Readiness & Liveness Probes

CI/CD & DevOps: GitHub Actions, Git, GitHub, Docker Hub, CI/CD Automation, Infrastructure as Code

Monitoring & Observability: Prometheus, Grafana, Alertmanager, MySQL Exporter, Node Exporter, CloudWatch

OS, Scripting & Web: Ubuntu Linux, Fedora Linux, Bash/Shell Scripting, Python, YAML, JSON, Nginx, MySQL, TCP/IP, DNS, SSH, Subnetting

Projects

Kubernetes-Based DevOps Task Management Platform [GitHub]

Stack: Flask, MySQL, Docker, K3s Kubernetes, ArgoCD, GitHub Actions, Prometheus, Grafana, Alertmanager, MySQL Exporter, Node Exporter

- Built and deployed a containerized multi-tier task management platform using Flask, MySQL, Docker, and K3s Kubernetes.
- Implemented GitOps continuous delivery using ArgoCD with automatic synchronization and self-healing, enabling declarative, version-controlled deployments.
- Configured GitHub Actions CI pipeline to build backend and frontend Docker images, push versioned images to Docker Hub, and update Kubernetes manifests to support GitOps workflows.
- Deployed workloads using Kubernetes Deployments, Services, ConfigMaps, Secrets, ServiceMonitors, and PVCs; implemented rolling updates and enforced reliability with readiness and liveness probes.
- Configured full-stack observability using Prometheus, Grafana dashboards, MySQL Exporter, Node Exporter, and Alertmanager for application, infrastructure, and database monitoring.

End-to-End Infrastructure Automation Pipeline [GitHub]

Stack: Terraform, Ansible, AWS (VPC, EC2, S3, Security Groups), GitHub Actions, Docker

- Automated infrastructure provisioning and configuration management using GitHub Actions, Terraform, and Ansible on AWS.
- Provisioned AWS infrastructure (VPC, Subnets, Route Tables, IGW, Security Groups, EC2, Elastic IP) using Terraform with S3 remote state management.
- Automated EC2 instance configuration, Docker installation, and application startup via Ansible dynamic inventory and playbooks, reducing setup time from approximately 45 minutes to under 5 minutes and achieving 90%+ deployment automation.

Professional Training

AWS re/Start Program Trainee

Jul 2025 - Nov 2025

AWS & TNSkills

- Completed intensive hands-on training in AWS Cloud, Linux Administration, Networking, Security, and DevOps fundamentals; worked with EC2, IAM, VPC, S3, Route 53, and CloudWatch through practical labs.
- Earned the AWS Certified Cloud Practitioner (CLF-C02) certification upon program completion.

Education

B.E. - Electronics and Communication Engineering

Nov 2021 - Jun 2025

University College of Engineering, Anna University, Panruti

CGPA: 7.1/10

Certifications

- AWS Certified Cloud Practitioner (CLF-C02) - Amazon Web Services Nov 2025 - Nov 2028
- AWS re/Start Graduate - AWS & TNSkills Sep 2025
- Terraform: Managing Infrastructure as Code - Packt May 2026
- 100 Days of DevOps Bootcamp - Udemy Mar 2026

Additional Information

Languages: English (Professional), Tamil (Native), Telugu (Professional) | **Availability:** Open to relocation across India

Target Roles: DevOps Engineer, Cloud Engineer, SRE, Platform Engineer, Infrastructure Engineer