



# ANNAVAR SATISH

DEVOPS ENGINEER | SRE | AWS CLOUD ENGINEER | CLOUD ARCHITECT

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## PROFILE SUMMARY

Results-driven DevOps Engineer / Site Reliability Engineer (SRE) / AWS Cloud Engineer with 4+ years of experience designing, automating, and operating production-grade infrastructure across AWS, GCP, and Azure. Expert in Kubernetes (EKS, GKE, AKS, K3s), Infrastructure-as-Code (Terraform, Terragrunt), and GitOps pipelines (FluxCD, Helm Charts, GitHub Actions, Drone CI, CircleCI). Proven track record of 40% reduction in deployment lead time, zero-downtime cloud migrations, and sustained ISO 27001, SOC 2, and GDPR compliance for multi-tenant SaaS platforms. Strong communicator and collaborative team player with experience in remote-first, cross-functional environments. Seeking a challenging role to architect and operate high-performance, resilient, secure, and cost-optimized cloud-native systems.

## WORK EXPERIENCE

### DevOps Engineer / SRE / AWS Cloud Engineer Improwised Technologies Pvt Ltd | Rajkot, Gujarat

Nov 2022 – Present

- Led complete migration of a multi-tenant SaaS platform from Azure to GCP, re-architecting with GKE, Cloud SQL, NATS.io pub/sub, and Neo4j Aura, improving scalability and reducing infrastructure costs.
- Architected and provisioned secure, multi-environment infrastructure on AWS, Azure, and GCP using Terraform and Terragrunt with modular, reusable IaC configurations; managed AWS profiles, IAM roles, and least-privilege access policies across multiple accounts.
- Built and maintained production Kubernetes clusters (AKS, EKS, GKE, K3s) with secure secret management via Azure Key Vault, Google Secret Manager, AWS Secrets Manager, and Mozilla SOPS; implemented KEDA for event-driven autoscaling on AWS SQS, improving resource utilization by ~30%.
- Designed and owned end-to-end CI/CD pipelines using GitHub Actions, FluxCD, Drone CI, and CircleCI; implemented full GitOps workflows with Helm Charts and FluxCD, reducing deployment lead time by 40%.
- Built full-stack observability using Prometheus, Grafana, Loki, Alertmanager, Google Cloud Monitoring, and Azure Log Analytics; defined SLIs, SLOs, and error budgets to proactively track and maintain service reliability.
- Designed and tested disaster recovery procedures using Velero for Kubernetes backup and restore; maintained ISO 27001, SOC 2, and GDPR compliance across all production workloads.
- Migrated multi-tenant applications from legacy AWS environment to Azure AKS with zero customer-impacting downtime; integrated GitOps workflows using Helm and FluxCD to streamline microservices deployments.
- Managed hosted and self-hosted PostgreSQL, MySQL/MariaDB, and Neo4j databases; coordinated zero-downtime upgrades and replication setups.
- Provided 24/7 on-call SRE support; authored runbooks, blameless post-mortems, and incident response playbooks to systematically reduce MTTR and eliminate repeat failures.
- Mentored junior team members on DevOps best practices, IaC standards, and CI/CD pipeline design; collaborated cross-functionally with product and client engineering teams in remote-first environment.

### Associate Analyst

GlobalLogic Pvt Ltd | Hyderabad, Telangana

Mar 2022 – Oct 2022

- Performed data analysis and maintained process documentation in a cross-functional support role.
- Liaised with project teams to gather technical requirements and deliver timely analytical insights to stakeholders.

### DevOps Trainee

Cloudriaze Technologies Pvt Ltd | Hyderabad, Telangana

Jan 2022 – Mar 2022

- Gained hands-on experience with core DevOps tools including Docker, Kubernetes, Git, and CI/CD pipeline configuration.
- Assisted in setting up CI/CD pipelines and participated in cloud infrastructure provisioning on AWS.

## PROJECT HIGHLIGHTS

### SaaS Platform Migration: Azure → GCP (Multi-Tenant)

- Led end-to-end migration of a multi-tenant SaaS application to GCP; provisioned GKE clusters, Cloud SQL, NATS.io messaging, and Neo4j Aura graph database on a cost-effective, scalable architecture.
- Automated all infrastructure with Terraform + Terragrunt; managed deployments via a FluxCD GitOps pipeline with full Helm chart lifecycle management.
- Achieved significant cost reduction and improved horizontal scalability versus prior Azure architecture.

### Multi-Tenant Azure Kubernetes Infrastructure (SaaS)

- Provisioned and hardened Azure AKS clusters integrated with ACR, Azure Key Vault, Blob Storage, and Azure Monitor.
- Automated application deployments using FluxCD (GitOps); configured KEDA autoscaling on AWS SQS queues to handle variable workloads efficiently.
- Secured secret management with self-hosted GitHub Actions runners and Azure Key Vault integration; established DR protocols using Velero.

### Cloud-Native Messaging Platform Upgrade – Zero Downtime

- Orchestrated a rolling zero-downtime upgrade of a production Apache Pulsar cluster from v2.7 to v2.10.
- Automated container builds and deployment stages via CircleCI and Kubernetes.

### K3s Cluster High-Availability Upgrade on AWS

- Engineered transition of a production K3s cluster from single-master to high-availability multi-master topology on AWS.
- Resolved node-termination issues caused by CPU saturation by implementing CloudWatch monitoring and alerting; documented resolution in runbooks to prevent recurrence.

## KEY SKILLS

- AWS (EC2, VPC, S3, IAM)
- EKS
- ECR
- RDS
- Lambda
- SQS
- CloudWatch
- Route53
- ELB / ALB
- Secrets Manager
- CloudTrail
- Auto Scaling
- AWS LightSail
- GCP (GKE, Cloud SQL, Cloud Storage)
- Azure (AKS, ACR, Key Vault)
- Multi-Cloud Architecture
- Kubernetes (AKS / EKS / GKE / K3s)
- Docker
- Helm
- Helm Charts
- Kustomize
- KEDA
- Velero (DR)
- Terraform
- Terragrunt
- Ansible
- AWS CloudFormation
- GitHub Actions
- FluxCD
- ArgoCD
- Drone CI
- CircleCI
- Git
- GitHub
- GitOps
- Prometheus
- Grafana
- Loki
- Alertmanager
- SLO / SLI / Error Budgets
- Incident Response
- On-Call / MTTR
- Post-Mortems
- Runbooks
- Mozilla SOPS
- RBAC
- IAM Policies
- Network Policies
- ISO 27001
- SOC 2
- GDPR
- Python
- Bash / Shell Scripting
- Node.js
- YAML
- PostgreSQL (Hosted/Self-Hosted)
- MySQL / MariaDB (Hosted/Self-Hosted)
- Neo4j Aura (Hosted/Self-Hosted)
- NATS.io
- Apache Pulsar
- Frappe / ERPNext
- Problem Solving
- Collaboration
- Communication
- Mentoring
- Ownership
- Adaptability

## EDUCATION

### B.Sc. – Mathematics, Statistics & Computer Science

Nishitha Degree College

2018 – 2021

### Intermediate (MPC)

Vijetha Junior College

2016 – 2018

### SSC

Sai Concept School

2015 – 2016

## CERTIFICATIONS

### AWS Solutions Architect – Associate

Amazon Web Services · Udemy

### Docker: Basic to Advanced

Udemy

### CKA – Certified Kubernetes Administrator

CNCF · In Progress

## LANGUAGES

### English

Professional Proficiency

### Telugu

Native

### Hindi

Conversational

## LINKS

### LinkedIn

[linkedin.com/in/annavar-satish](https://www.linkedin.com/in/annavar-satish)

### GitHub

[github.com/Annavar-satish](https://github.com/Annavar-satish)

### Portfolio

[satish.annavar.org](https://satish.annavar.org)