

Annavar Satish

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Portfolio: satish.annavar.org

PROFESSIONAL SUMMARY

Results-oriented DevOps Engineer with 3.5+ years of experience in architecting and delivering scalable infrastructure and robust CI/CD pipelines across AWS, GCP, and Azure. Proven ability to reduce deployment times by up to 40% through automation and GitOps principles. Proficient in Kubernetes, Docker, Terraform, Ansible, and shell scripting. Seeking a challenging AWS Cloud Engineer, DevOps, or SRE role to build high-performance, resilient, and secure cloud-native systems.

CORE SKILLS & TOOLS

- **Cloud Platforms:** AWS (EC2, VPC, S3, IAM, RDS, ELB, CloudWatch, CloudTrail), GCP, Azure
 - **CI/CD:** GitHub Actions, Drone CI, Jenkins, CircleCI, FluxCD, Fleet
 - **IaC (Infrastructure as Code):** Terraform, Terragrunt
 - **Containerization & Orchestration:** Docker, Docker Compose, Kubernetes, Helm, Kustomize, OpenShift, KEDA
 - **Config Management:** Ansible
 - **Monitoring & Logging:** Prometheus, Grafana, AWS CloudWatch, Azure Log Analytics
 - **Scripting:** Bash, Shell
 - **Source Control:** Git, GitHub, SVN
 - **Build Tools:** Maven, npm
 - **Operating Systems:** Linux(arch,ubuntu,Redhat), Windows
 - **DevOps Tools:** k3s, k3d, Talos, Rancher, SOPS, Velero
 - **Other Tools:** Jira, Slack, Apache, Nginx
 - **Soft Skills:** Problem-Solving, Team Collaboration, Communication, Adaptability, Agile Methodologies
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PROFESSIONAL EXPERIENCE

Improwised Technologies Pvt Ltd – DevOps Engineer

Nov 2022 – Present | Rajkot, Gujarat (On-site)

- Architected and provisioned secure, multi-environment AWS and GCP infrastructure using Terraform and Terragrunt.
- Built and maintained automated AKS and EKS clusters with secure secret encryption via Azure Key Vault and Mozilla SOPS.
- Implemented robust CI/CD pipelines using GitHub Actions, FluxCD, and Drone CI, reducing deployment time by 40%.
- Designed and implemented disaster recovery solutions with Velero to ensure GDPR and ISO compliance for critical workloads.
- Migrated multi-tenant applications from a legacy AWS environment to Azure AKS, significantly improving scalability and maintainability.
- Integrated GitOps workflows using Helm and FluxCD to streamline microservices deployment and ensure configuration consistency.
- Configured comprehensive monitoring and alerting dashboards with Prometheus, CloudWatch, and Azure Log Analytics.
- Managed IAM roles, VPC design, and Docker registries across multiple cloud platforms.
- Provide 24/7 on-call support to troubleshoot and resolve critical infrastructure issues for all DevOps activities.

GlobalLogic Pvt Ltd – Associate Analyst

Mar 2022 – Oct 2022 | Hyderabad, Telangana

- 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.
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PROJECT HIGHLIGHTS

1. Multi-Tenant Azure Infrastructure Deployment (Ongoing)

- Deployed and managed scalable Azure AKS clusters integrated with ACR, Key Vault, and Blob storage for a multi-tenant SaaS platform.
- Developed a multi-stage Dockerfile for a complex monorepo containing Go, Node.js, and Python microservices, enabling a unified build and deployment process.
- Automated application deployments onto AKS clusters using FluxCD, ensuring seamless GitOps-driven updates for all microservices.
- Secured secret management by implementing self-hosted GitHub runners and integrating with Azure Key Vault.
- Set up auto-scaling with KEDA based on AWS SQS metrics to handle variable workloads efficiently.
- Established disaster recovery protocols using Velero for production resilience and compliance.

2. Cloud-Native Messaging Platform Upgrade

- Successfully upgraded a production Apache Pulsar cluster from v2.7 to v2.10, utilizing Git rebase/cherry-pick for code management and Maven/Helm for builds and deployment.
- Managed container builds and automated deployments via CircleCI and Kubernetes, ensuring zero downtime during the upgrade process.

3. SaaS Application K3s Cluster Upgrade

- Engineered the transition of a production K3s cluster from a single-master to a highly available multi-master setup on AWS using Terraform.
- Resolved node termination issues caused by high CPU usage by implementing robust CloudWatch monitoring and alarms.
- Deployed multiple microservices efficiently using a single, polymorphic Helm chart.
- Created a parallel EKS cluster for performance testing and integrated a full CI/CD pipeline with Drone, Flux, and Helm to validate application stability.

4. Rapid ERPNext Application Deployment

- Deployed a full production instance of an ERPNext application on a Hostinger VM in under a day using Docker and Docker Compose, meeting a critical business deadline.
- Performed a seamless data migration by restoring a database backup from the staging environment to the new production instance as the first operational task.

5. E-commerce Infrastructure Automation

- Automated the provisioning of multi-environment infrastructure on AWS Lightsail using Terraform CI.
 - Minimized deployment and build time to under 5 minutes by implementing optimized Flux v2 and GitHub Actions CI pipelines.
 - Integrated GitHub Actions and Slack notifications to provide real-time visibility into deployment status and pipeline health.
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EDUCATION

- **B.Sc. (MSCS)** – Nishitha Degree College, Telangana University (2018–2021)
 - **Intermediate (MPC)** – Vijetha Junior College, Telangana (2016–2018)
 - **SSC** – Sai Concept School, Telangana (2015–2016)
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CERTIFICATIONS

- AWS Services for Solutions Architect Associate – Udemy
- Docker Course: From Basic to Advanced – Udemy