

DIVYANSH SRIVASTAV

DevOps Architect

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SUMMARY

DevOps Architect with 11 years of experience designing and operating large-scale cloud platforms across Azure, AWS, and GCP. Specialized in Kubernetes platform engineering, having architected and managed environments spanning 40+ clusters across AKS, EKS, and GKE using GitOps (ArgoCD) and Infrastructure as Code (Terraform). Led a 22-member DevOps team and delivered critical platforms including a multi-tenant SaaS infrastructure built from scratch to MVP in 45 days. Experienced in designing secure, compliant cloud architectures for regulated environments including HIPAA and GDPR. Certified Kubernetes Administrator (CKA) | HashiCorp Terraform Associate | RHCE.

WORK EXPERIENCE

ARCHITECT

04/2026 – Present

Qualitest Infotech Private Limited

Full-time Employee (Converted from consultant engagement based on delivery impact)

- Leading migration of NGINX Ingress Controller to NGINX Gateway Fabric across 40+ Kubernetes clusters, modernizing ingress architecture at scale in alignment with upstream deprecation timelines
- Engineered a blue-green migration strategy for a Linux-based Azure Function App moving from Consumption (Y1) to Elastic Premium (EP1) plan across two environments, working around platform constraints that prevent direct in-place migration – achieving zero downtime cutover

CLOUD ENGINEER

07/2025 – 03/2026

Marktine Technology Solution Pvt Ltd.

Contract | Client: Qualitest | Azure, GCP, Kubernetes, Platform Engineering

- Implemented ArgoCD to standardize and automate deployment of GitLab agents and CrowdStrike sensors across 40+ Kubernetes clusters, eliminating manual deployment overhead and ensuring consistent rollout at scale
- Optimized AKS cluster costs by deploying Karpenter with node consolidation, achieving approximately 15% reduction in compute spend through intelligent right-sizing of node utilization across environments
- Architected and implemented end-to-end HIPAA and GDPR compliant GCP infrastructure for a healthcare application using GKE, Terraform (multi-environment provisioning), and ArgoCD for application delivery; adopted GKE Gateway API superseding deprecated NGINX Ingress Controller
- Implemented Azure RBAC and Managed Identity governance across platform resources, eliminating standing credentials and enforcing least-privilege access

ASSOCIATE CONSULTANT

04/2025 – 07/2025

Tata Consultancy Services

- Contributed to enterprise platform transition involving VMware Tanzu/TKGI Kubernetes infrastructure for a large-scale client environment
- Conducted infrastructure discovery sessions, documented architecture gaps, and prepared structured KT questionnaires for operational handover
- Produced transition artifacts including runbooks, MoMs, and dependency maps across DevOps toolchains including Concourse CI/CD pipelines

SENIOR TECHNICAL LEADER – DEVOPS

04/2024 – 11/2024

Espire Infolabs Private Limited

- Architected and enforced Azure Cloud Infrastructure standards across AKS clusters, Azure Databases, networking, and supporting services – ensuring Azure Well-Architected Framework compliance across security, reliability, and operational excellence pillars

- Developed and maintained Terraform codebase to provision and manage AKS clusters, Azure Databases, and supporting Azure services, enabling consistent and repeatable infrastructure delivery across multiple environments
- Designed and implemented Blue-Green deployment strategy for zero-downtime AKS cluster upgrades across all environments, eliminating upgrade-related service disruptions
- Enforced Azure RBAC and Managed Identities across all resources, establishing least-privilege access control and reducing standing permissions across the platform
- Built reusable Azure DevOps pipeline templates used across 10+ services, reducing pipeline setup time by ~50%
- Automated provisioning, deployment, and scaling of Azure Function Apps end-to-end using Terraform and Azure DevOps
- Integrated automated security testing and vulnerability scanning into CI/CD pipelines, shifting security left in the deployment lifecycle
- Implemented smoke test suites and automated testing frameworks in CI/CD pipelines to ensure deployment integrity and system stability
- Implemented Azure Monitor, Azure Application Insights, and Azure Log Analytics for comprehensive observability solutions, including monitoring, logging, and alerting on infrastructure and application performance
- Engineered Azure backup solutions ensuring data protection and business continuity across production workloads

DEVOPS LEAD ENGINEER

08/2023 – 03/2024

Accuknox India Pvt Ltd.

- Led a DevOps team responsible for Kubernetes infrastructure, CI/CD pipelines, and cloud platform automation
- Provisioned and maintained EKS and AKS Kubernetes clusters supporting application deployment and scaling needs; implemented Karpenter-based autoscaling with node consolidation, achieving approximately 15% reduction in compute costs
- Provisioned multi-environment infrastructure using Terraform, ensuring consistent and repeatable deployments
- Deployed highly available PostgreSQL on Kubernetes using StackGres and CloudNativePG operators, supporting critical use cases including HA Grafana backend database
- Designed and implemented 8-10 end-to-end CI/CD pipelines using GitHub Actions, covering build, test, security scanning, and deployment stages
- Developed solutions for executing automated end-to-end testing within CI/CD pipelines, improving deployment confidence and release reliability
- Conducted dogfooding exercises using Accuknox's own CSPM platform for vulnerability assessment and remediation, identifying and resolving security gaps across cloud infrastructure
- Conducted interviews and hired DevOps engineers, contributing to team growth

DEVOPS TECHNICAL LEAD

12/2018 – 07/2023

Celestial Systems Pvt Ltd.

Noida, India

- Led a 22-member cross-functional team as DevOps Technical Lead, owning infrastructure architecture decisions from first commit to production across multiple client projects
- Delivered complete multi-tenant SaaS Azure infrastructure from scratch to MVP in 45 days, including automated tenant provisioning pipeline supporting 25-30 tenants – architected in conformance with Azure Well-Architected Framework using AKS
- Designed and implemented 12+ CI/CD pipelines from scratch across AWS and Azure projects using Jenkins, GitHub Actions, and ArgoCD, standardizing deployment workflows across the organization
- Successfully implemented GitOps using ArgoCD across multiple projects, enabling declarative, auditable, and automated application delivery
- Built Prometheus and Grafana observability stack from scratch, establishing full infrastructure and application monitoring, alerting, and dashboarding across microservices

- Automated infrastructure provisioning via Terraform across AWS and Azure environments, eliminating manual provisioning and ensuring environment consistency
- Configured and managed Ansible for configuration management across Linux infrastructure, reducing configuration drift across environments
- Implemented centralized logging using ELK Stack across microservices and infrastructure components

DEVOPS ENGINEER

01/2018 – 11/2018
Gurgaon

One.com India Private Limited

- Maintenance of IT infrastructure of web hosting
- Planning and setup of CI/CD pipeline
- Provisioning of scalable containerised environment
- Configuration management through Chef
- Implementation of best security practices as per the CIS benchmark
- Written scripts for automating daily admin tasks
- Providing training to peers and new joiners
- Prepared SOPs and RCAs

SYSTEM ENGINEER

09/2017 – 01/2018

Value First Digital Media Private Limited

- Linux server administration and maintenance – Production
- Managed Amazon Web Services cloud platform
- Analysed and applied suitable methods to improve system performance in production environment
- Optimisation of LAMP stack
- Configuration and maintenance of server and network monitoring through Nagios XI, Nagios Core, Cacti and Smokeping
- Troubleshooting of issues related to applications and services hosted on Linux platform; configured file servers (NFS, AutoFS, SAMBA, FTP, SFTP), NIS, Rsync
- Vulnerability Assessment and Remediation

LINUX SYSTEM ADMINISTRATOR

11/2016 – 08/2017
Delhi

CHI Networks

- Linux server administration and performance tuning
- Deployment of LAMP and web hosting platform
- Installation, configuration, and maintenance of mail and web servers along with database management
- Worked on Postfix, Cyrus, Dovecot, Apache, MySQL; managed Amazon Web Services cloud platform
- Vulnerability Assessment and Remediation
- Configuration of SFTP in jail root environment
- Configuration and maintenance of server and network monitoring through Nagios XI, Nagios Core, Cacti and Smokeping; DNS Management
- Worked on third-party tools – Phpmyadmin, Rainloop, Phplist, SquirrelMail

SENIOR ANALYST

08/2014 – 11/2016
Chennai

HCL Technologies Ltd.

- Learned and applied ITIL process – Incident and change management
- Resolved tickets and performed changes within stipulated time with good CSAT scores
- Analysed and applied suitable methods to improve system performance in production environment
- Configured and handled issues on file servers (NFS, AutoFS, SAMBA, FTP, SFTP), NIS, Rsync
- Prepared SOPs, MBF (Management by Fact) and RCAs

SKILLS & COMPETENCES

Cloud Platforms

AWS, Azure, GCP

Container Platforms

Kubernetes (AKS, EKS, GKE), Docker

CI/CD & GitOps

Jenkins, GitHub Actions, ArgoCD, Azure DevOps, Codefresh, Travis CI

Infrastructure as Code

Terraform

Observability

Prometheus, Grafana, ELK Stack, Azure Monitor

Configuration Mgmt

Ansible

Web Servers

Nginx, Apache, Caddy

Scripting

Bash

Other

Serverless Framework, Git, Linux System Administration

CERTIFICATIONS

HashiCorp Certified:

Terraform Associate (003)

Certificate Number:

b9850132-3657-45f0-945c-415279080f65

Certified Kubernetes

Administrator (CKA)

Certificate Number: LF-

q22q5yjxxh

Red Hat Certified Engineer

(RHCE)

Certificate Number: 160-039-657

EDUCATION

Bachelor of Technology – Instrumentation and Control Engineering

SRM University

CGPA: 7.8

06/2010 – 05/2014

Chennai