

SHIVESH VIJAY

Jaipur, Rajasthan (IST)

📞 +91 6378938675 ✉ shiveshvijay707@gmail.com 🌐 <https://linkedin.com/in/shiveshvijay> 🐙 <https://github.com/dotexe3301>

Summary

Cloud & DevOps Engineer with 1+ years of hands-on experience in automating cloud infrastructure using Azure Cloud, Kubernetes, Terraform, and Azure DevOps. Skilled in building secure CI/CD pipelines, implementing IaC, optimizing deployment workflows, and managing on-prem + cloud hybrid environments. Microsoft-certified (AZ-104) with a proven ability to improve code quality, automate operations, and support development teams in delivering scalable, production-ready systems.

Experience

Zentek Infosoft
DevOps Engineer

Jaipur, Rajasthan
Nov 2025 – Current

- Managed two **on-prem Kubernetes clusters** (10+ microservices each) using kubectl; through optimized YAML manifests, Ingress routing, Secrets/ConfigMaps structuring, and resource requests/limits.
- Built and improved **CI/CD pipelines**, reducing deployment time by 25% and strengthening security by integrating SonarQube and Trivy scans; maintained **self-hosted agents** to improve pipeline reliability by 40%.
- Supported microservices communicating via **Kafka**, improving service stability by reducing deployment failures and resolving critical production issues such as CrashLoopBackOff, OOMKills, and networking failures with a **90%** incident resolution rate.
- Configured and established an **on-prem SonarQube** server, enforcing quality gates and reducing code smells/vulnerabilities by **35%** across development teams.
- Implemented **Prometheus, Grafana, and Loki** for cluster-level monitoring and alerting, reducing issue detection time by **50%** and improving visibility into performance, resource usage, and application health.

HJInfotech

Intern → Trainee → Junior DevOps Engineer

Jaipur, Rajasthan
July 2024 – Oct 2025

- **Actively collaborated with clients** to gather requirements, translate goals into actionable tasks, align on objectives, and develop cloud & DevOps solutions tailored to their business needs.
- **Migrated Azure infrastructure** from ARM templates to Terraform, improving resource management, re-usability, and scalability of **1,500+** resources.
- Developed and enforced **Policies** to strengthen **governance** and **compliance**, successfully bringing **47%** of non-compliant resources into compliance across large-scale client environments.
- **Enhanced CI/CD pipelines** in Azure DevOps by reducing build times by **30%** integrating test coverage and embedding security analysis into deployment workflows.
- Automated workflows by building **PowerShell** scripts and **Azure DevOps** pipelines, reducing **90%** of manual efforts.
- **Migrated over 1,000+ Test cases and 1,000+ Test suites** from Excel sheets to Azure DevOps Test Plans, improving test traceability, collaboration, and overall quality assurance processes.
- **Created detailed documentation** for internal processes, project implementations, and client demonstrations to ensure clarity, consistency, and ease of knowledge transfer across teams.

Projects

Microservices Deployment on Kubernetes with Observability Stack

Kubernetes, Docker, Prometheus, Grafana, Loki, Ingress, YAML Manifests

- Deployed a microservices-based application on a kubectl-based Kubernetes cluster (1 control plane and 2 worker nodes) using declarative YAML manifests.
- Configured **Ingress**, Secrets, ConfigMaps, resource limits/requests, and environment-specific manifests to ensure reliable service communication and scaling.
- Implemented cluster monitoring using **Prometheus + Grafana** and centralized logging via **Loki**, enabling real-time visibility into pod health, latency, and resource usage.

Multi-Environment Azure Infrastructure with Terraform

Terraform, Remote State, IaC, CI/CD, HCL

- Engineered a fully modular IaC architecture using Terraform to provision infrastructure, including VMs, VNets, subnets, NSGs, App Services, ACR, and storage layers.
- Managed sensitive values through **Azure Key Vault** + Terraform variables to enforce secure secret handling.
- Automated infrastructure rollouts using CI/CD pipelines, enabling repeatable and compliant deployments across all environments.

3-Tier Application Deployment on Cloud

Azure Web App for Containers, Azure DevOps, Azure Container Registry, Cosmos DB for MongoDB, Docker

- **Deployed a 3-tier web application** on Azure using two separate Web Apps for frontend and backend service, with Azure Cosmos DB (MongoDB API) as the database layer.
- **Built and pushed Docker images to Azure Container Registry (ACR)** and consumed them in Azure Web Apps for Containers.
- Created an end-to-end **CI/CD pipeline** using Azure DevOps to automate building, pushing, and deploying container images to the respective web apps.

Skills

Scripting & Languages: PowerShell, YAML, Bash, JavaScript(NodeJS)

Cloud & Infrastructure: Azure Cloud, Linux, Kubernetes (kubeadm), Cloud Networking, Networking Fundamentals (OSI, TCP/IP, DNS, Switch, Router)

DevOps Tools: Azure DevOps, GitHub, GitLab, Docker, Prometheus, Grafana, Git, SonarQube Server

IaC Management: Terraform, Terraform Cloud, Helm, Bicep, ARM Templates, Sentinel Policies

Soft Skills: Cross-Team Collaboration, Problem-solving, Research, Reliability

Certifications

AZ-104: Azure Administrator Associate from Microsoft (August, 2025).

Configure secure access to your workloads using Azure networking from Microsoft. (June, 2025).

AZ-900: Azure Fundamentals from Microsoft. (May, 2025).

Secure storage for Azure Files and Azure Blob Storage from Microsoft. (Apr, 2025).

Education

Global Institute of Technology, Jaipur, Rajasthan

B.Tech in Computer Science & Engg. – CGPA: 8

2025

Achievements

- **GeeksForGeeks:** Ranked first on the college's GFG dashboard for solving 200+ DSA problems.
- **Code Red 3.0:** Secured **7th** position among 300+ teams in a 72-hour hackathon held at VIT, Jaipur.