

Vishnu Gaur

Senior DevOps Engineer | Platform Engineer | Site Reliability Engineer

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PROFESSIONAL SUMMARY

9+ years of experience as a DevOps Engineer designing, building, and operating **secure, scalable, and highly available cloud platforms** across AWS, GCP, and Azure. Strong expertise in **Infrastructure as Code (Terraform, CloudFormation, Terragrunt)**, CI/CD automation (Jenkins, GitHub Actions, Azure Pipelines), and Kubernetes-based container platforms. Experienced in building and managing **cloud data pipelines (AWS Glue, Athena Crawlers, PySpark)** while enforcing **security, compliance, and governance best practices**. Proven track record in **improving reliability, observability, security posture, and cloud cost optimization**, enabling rapid and safe delivery of microservices, distributed systems, and data workflows.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, EKS, ECS, VPC, IAM, S3, RDS, ALB), GCP, Azure

Containers & Platform: Docker, Kubernetes (EKS, GKE, AKS), Karpenter, Keda, HPA, VPA

Data & ETL: AWS Glue, Athena, Crawlers, S3, PySpark

CI/CD & GitOps: Jenkins, GitHub Actions, Azure Pipelines, ArgoCD, FluxCD, Helm

Infrastructure As Code: Terraform (modules, remote state, multi-env setups, Terragrunt)

Observability: Grafana, Prometheus, Mimir, Loki, Tempo, ELK, CloudWatch, OpenTelemetry (traces, metrics, logs)

Automation: Python (automation), Bash, Powershell, Ansible

Networking: VPC Design, VPC Peering, ALB / NLB, Route 53, CloudFront, Transit Gateway, PrivateLink, TCP/IP, WAF

DNS / CDN: Amazon Route 53, Cloudflare, GoDaddy, Amazon CloudFront

Security / DevSecOps: IAM & STS, KMS, Secrets Manager, Container Image Scanning (Trivy/Inspector), SAST, DAST

FinOps / AIOps / MLOps: Kubecost, Cost Optimization, Kubeflow, MLflow

Version Control: GitHub, Bitbucket, Gitlab

Compliance: SOC2, ISO27001 readiness (DevOps controls)

Databases: MySQL, PostgreSQL, Redis, MongoDB (operations, scaling, HA)

OS: Linux (Ubuntu, RHEL, Amazon Linux)

DevOps Practices: GitOps, Infrastructure as Code, DevSecOps, Site Reliability Engineering (SRE), Incident Response, Disaster Recovery, Zero-Downtime Deployments

PROFESSIONAL EXPERIENCE

Sr. DevOps Engineer | Jan 2023 – Present
iMerit Technologies | Kolkata

- Designed and operated highly available multi-cloud platforms (AWS & GCP) supporting production microservices and data pipelines, improving overall system reliability and security posture.
- Defined and executed service-level monitoring and alerting using Prometheus, Grafana, ELK, CloudWatch, and OpenTelemetry, reducing MTTR by 55%.
- Orchestrated infrastructure lifecycle management using **Terraform/Terragrunt** and Ansible across compute, networking, Kubernetes, messaging, caching, and data services, eliminating manual provisioning and reducing operational toil.
- Built and preserved Kubernetes (EKS) production clusters, implementing secure container supply chains, image scanning (Trivy), RBAC, and rollout strategies to reduce production risk.
- Developed and operated cloud data pipelines using AWS Glue, Athena, Crawlers, and PySpark, enabling scalable analytics workflows with improved query performance.
- Led incident response and root cause analysis, implementing corrective actions and reliability improvements across services.
- Enhanced cloud infrastructure via auto-scaling, right-sizing, and usage analysis, achieving ~35% cost reduction without impacting availability.
- Implemented metrics **Exemplars** to link **Mimir** metrics directly to distributed traces (**Tempo**), and propagating **trace/span IDs** into application logs (**Loki**), enabling **contextual logging** and rapid root cause analysis across microservices.
- Implemented GitOps deployments using ArgoCD and Helm on Kubernetes clusters with systematized rollback and zero-downtime deployments.

- Created Terraform modules provisioning production-ready AWS and GCP infrastructure including VPC, Kubernetes clusters, monitoring, and CI/CD integrations.
- Created a full DevSecOps platform with 40+ CI/CD stages using Jenkins, integrating SAST, DAST, container scanning, and automated testing.
- Created operational runbooks and disaster recovery procedures for production Kubernetes and cloud infrastructure.
- Mentored junior DevOps engineers and established best practices for CI/CD, infrastructure automation, and Kubernetes operations.
- Implemented **Policy as Code** frameworks using Open Policy Agent to enforce security, compliance, and governance policies across Kubernetes clusters and CI/CD pipelines.
- Automated policy enforcement for container security, RBAC, and infrastructure provisioning workflows.
- Implemented Kubernetes autoscaling using HPA, KEDA, and cluster scaling strategies.

Sr. DevOps Engineer | Oct 2021 – Dec 2022
Kuvera Technologies | Delhi

- Streamlined environment provisioning using Terraform and Ansible, standardizing builds and reducing setup effort by 18 hours/week.
- Standardized Kubernetes deployments with Helm charts and **RBAC security policies**, improving rollout speed and consistency by 65%.
- Established **GitHub Actions-based CI/CD pipelines** with integrated SAST/DAST scans and secrets management, decreasing manual intervention by 70%.
- Setup **ELK Stack for logging** and Prometheus + Grafana for monitoring and alerting, lowering incident response time by 55%.
- Orchestrated cloud cost optimization via Auto Scaling, right-sizing, and usage analysis, reducing monthly cloud spend by 18%.
- Implemented SRE practices including SLO definition, error budgets, and incident response processes.
- Designed highly available AWS architecture using EKS, ALB, Route53 and CloudFront.
- Managed Kubernetes clusters supporting 200+ microservices and millions of API requests daily.
- Developed an **Internal Developer Platform (IDP)** enabling engineers to self-provision environments, deploy services, and manage infrastructure using standardized templates and GitOps workflows.
- Implemented automated service onboarding pipelines integrating CI/CD, Kubernetes deployment templates, and observability tooling to reduce environment setup time by over 70%.
- Designed and deployed **custom Kubernetes Operators** to automate lifecycle management of stateful applications, reducing manual operational tasks and improving reliability of production workloads.
- Leveraged Kubernetes controller patterns to automate application scaling, configuration updates, and health monitoring.

Sr. DevOps Engineer | Apr 2020 – Oct 2021
EchoIndia Pvt Ltd | Delhi

- Provisioned AWS EKS and GCP GKE infrastructure using Terraform, unifying infrastructure automation across multi-cloud environments with 60% improved deployment consistency.
- Configured CI/CD pipelines with Jenkins and security checks for vulnerability scanning, improving deployment frequency by 70%.
- Adopted Kustomize and Helm for Kubernetes manifest management, integrating RBAC and PodSecurityPolicies for secure deployments.
- Enabled centralized monitoring and logging (Prometheus, Grafana, ELK/CloudWatch), increasing overall uptime by 35%.
- Expanded customer onboarding by 12,000 users in 90 days while maintaining high security and compliance standards.
- Designed workflows, and Kubernetes deployment patterns across multiple engineering teams, improving developer productivity and deployment consistency.
- Built reusable infrastructure modules using Terraform and GitOps workflows with **Argo CD**, enabling self-service infrastructure for development teams.
- Enabled advanced traffic management capabilities such as traffic splitting, retries, circuit breaking, and secure mTLS communication between microservices.
- Implemented a **service mesh architecture** using Istio to enable secure service-to-service communication, traffic routing, and observability across microservices deployed on Kubernetes clusters.
- Enforced Kubernetes security policies using Open Policy Agent and Kyverno to ensure compliance with organizational security standards.

DevOps Engineer | Jun 2019 – Mar 2020
Mogilabs Pvt Ltd | Noida

- Built Jenkins pipelines integrating CloudFormation, Ansible, Jinja2, Bash, Python with **automated security gates**, accelerating delivery by 65%.
- Optimized microservices deployments to containerized environments (Docker/Kubernetes), integrating **container scanning** to prevent vulnerabilities.
- Deployed OSSEC + ELK for proactive intrusion detection and log monitoring, enhancing security coverage by 60%.
- Instrumented CI/CD observability for logs, metrics, and alerts, reducing rollback frequency by 45%.
- Introduced **Chaos Engineering practices** using tools like Chaos Mesh to simulate infrastructure failures and validate system resilience across distributed microservices.
- Conducted controlled fault injection experiments to test recovery mechanisms and improve system reliability under failure conditions.
- Implemented **Blue/Green deployment strategies** for microservices running on Kubernetes to achieve zero-downtime releases and safe rollback capabilities.
- Integrated deployment strategies into CI/CD pipelines to enable controlled production releases and minimize deployment risk.
- Implemented automated policy checks for container image security, namespace isolation, and workload configuration compliance.
- Managed Kubernetes clusters supporting 200+ microservices and millions of API requests per day.

DevOps Engineer | Nov 2018 – Jun 2019
Sourcefuse Technology Pvt. Ltd. | Noida

- Assisted in deploying and managing applications on AWS (EC2, S3, IAM, VPC).
- Worked with Docker to containerize applications and improve deployment consistency.
- Supported Kubernetes cluster deployments and supervised pods, services, and config maps.
- Wrote and sustained Infrastructure as Code using Terraform / CloudFormation.
- Monitored application and infrastructure health using Prometheus and Grafana.
- Designed production-grade AWS architecture using EKS, ALB, Route53, and CloudFront for high availability and scalability.

DevOps Engineer | Feb 2017 – Nov 2018
Oodles Technology Pvt. Ltd. | Gurgaon

- Maintained cloud infrastructure and Linux operations, ensuring high availability with 50% less downtime.
- Delivered blockchain and microservices projects, implementing security hardening and vulnerability assessments, improving application security by 60%.
- Directed network infrastructure and performed continuous monitoring, reducing network incidents by 45%.
- Coordinated cross-functional teams to ensure 95% on-time project delivery while maintaining **secure operational standards**.
- Implemented **Canary deployment strategies** using Istio and Argo Rollouts to gradually release new application versions and monitor real-time performance metrics before full rollout.
- Implemented centralized API management using Kong / NGINX API Gateway to manage authentication, rate limiting, and routing across microservices.
- Automated canary analysis using observability data to ensure safe and reliable deployments.
- Enabled secure external access to services through API gateways integrated with authentication and traffic policies.

CERTIFICATIONS

- AWS Certified Solutions Architect – Professional (SAP-C02)

EDUCATION

- **B.Tech** in ECE – Global Institute Of Technology Jaipur (2016)

ACHIEVEMENT

- Reduced MTTR by **55%** using observability platforms
- Optimized cloud cost by **35%**
- Built **40+ stage DevSecOps CI/CD platform**
- Managed **200+ microservices on Kubernetes**