

VIVEK KUMAR

DevOps | SRE | Cloud | Platform Engineer

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Results-driven DevOps Engineer with 11+ years of experience. Specialized in designing scalable, secure, and highly available architectures across AWS, Azure, Kubernetes, and serverless ecosystems. Proven expertise in CI/CD, infrastructure automation, observability, and security compliance for enterprise-grade systems. Passionate about driving cloud cost optimization, DevOps best practices, and high-performance platform reliability. Focused about enabling engineering velocity, standardizing best practices, and aligning DevOps strategy with business outcomes.

SKILLS

- AWS & Azure cloud
- IaC (Terraform, Ansible, Packer, Cloudformation)
- CICD (Jenkins, Github Actions, Azure DevOps, Codepipeline, ArgoCD)
- Observability (Prometheus, Grafana, ELK, Kiali, Opentelemetry, Datadog, Newrelic)
- Container orchestration (Kubernetes, AKS, EKS, Docker, Swarm, ECS)
- Programming/Scripting (Python, Golang, Bash)
- Incident (Slack, JIRA, AzureDevOps, squadcast/Pagerduty)
- Security (ISO, SOC2, PCI, SIEM, IDS/IPS)
- Service Mesh (Istio)
- API gateways (Kong, Gloo)
- GitOps (ArgoCD, Helm)
- Linux & Networking

PROFESSIONAL EXPERIENCE

Principal DevSecOps @ Kodo (2022 - Present), Bangalore (Remote)

- Designed and managed **highly available & scalable AWS and Azure cloud architectures, microservices hosting platform from scratch** on Kubernetes (EKS & AKS), enabling seamless deployments and scaling for high-traffic services using API gateways, service mesh, cloud controllers, operators etc. Ensuring security, performance, and cost efficiency across multi-account setups.
- Led the **migration from AWS to Azure**, re-architecting infrastructure for improved performance, security, and cost optimization. **Optimized AWS & Azure cloud costs** through auto-scaling strategies, right-sizing workloads, and adopting serverless patterns, reducing infrastructure spend significantly.
- Implemented Infrastructure as Code (IaC) using **Terraform, Terragrunt, Helm, Ansible, Packer and GitOps** principles, enabling consistent, automated, and auditable infrastructure deployments.
- Developed robust CI/CD pipelines using **ArgoCD, GitHub Actions and Jenkins** enabling faster, reliable, and zero-downtime deployments across microservices. **Automated day-to-day operations and ad-hoc tasks using Python and Golang**, significantly reducing manual effort and improving team productivity.
- Strengthened security and compliance by implementing access management via Teleport, Cloudflare Zero Trust, encryption standards, SOC2 and PCI frameworks, SIEM integrations, IDS/IPS systems, and firewalls. **Integrated security and quality scans** into CI pipelines using Trivy, SpotBugs, and SonarQube, ensuring early detection of vulnerabilities, secrets, code quality issues, and compliance risks.
- Implemented comprehensive **open source observability and incident management** system using Prometheus, Grafana, Istio service mesh, ELK/ECK, Kiali, Jaeger, and OpenTelemetry. Integrated with Slack, JIRA, and Squadcast/Pagerduty for proactive monitoring, alerting, and faster incident resolution.

DevOps Lead @ BYJU's (2021 - 2022), Bangalore (Remote)

- Spearheaded cloud platform modernization on AWS with EKS & ECS, API gateways, centralised authentication etc boosting scalability and reliability. Re-architected AWS accounts, infrastructure & networks for security, cost-efficiency, and scalability.
- Managed scale and reliability during global peak traffic driven by worldwide advertisements, ensuring seamless learning experiences for millions of users.
- Deployed and managed hundreds of microservices on EKS & ECS, driving agility and faster feature delivery. **Optimized cloud costs and security compliance**, strengthening resilience and performance.

DevSecOps Lead @ Happay (2017 - 2021), Bangalore (Remote)

- Implemented Infrastructure and Job as Code with CI/CD pipelines using Terraform, Jenkins, Codepipeline etc enabling automated, reliable, and repeatable deployments.
- Re-architected AWS accounts, infrastructure & networks for security, cost-efficiency, and scalability.
- Drove cloud cost optimization and strengthened security posture with SOC2 & PCI compliance, reducing risk across fintech workloads.
- Developed Python and Bash automation scripts/programs to support developers, optimize cloud costs, and streamline ad-hoc operations.

DevOps @ HashedIn (2016 - 2017), Bangalore

- Containerized legacy apps and migrated to Docker Swarm & Kubernetes, improving scalability.
- Automated end-to-end deployments with Jenkins pipelines, reducing manual effort.
- Supported clients with cloud infrastructure, monitoring, and integrations across AWS.

Sr. System Associate @ NTT data (2015 - 2016), Bangalore

- Managed enterprise-grade load balancers (HAProxy, F5, A10) and mission-critical infra. Automated infra operations, boosting system uptime and reliability. Enhanced observability with Nagios, Zabbix, and Monit, reducing incident MTTR.

Linux Administrator @ RayMn BR (2015 - 2016), Lucknow

- Developed Python and Shell scripts to boost developer productivity and automate routine server tasks. Administered LAMP stacks and VPS hosting for global clients, ensuring high availability. Configured and optimized proxies, LDAP, Samba, and NFS servers. Deployed monitoring solutions with Nagios & Observium, cutting downtime across environments.

CERTIFICATIONS

- AWS Certified DevOps Engineer Professional
- AWS Certified Solutions Architect Associate
- AWS Certified SysOps Administrator
- Certified Kubernetes Administrator (CKA)
- Cisco Certified Network Associate (CCNA)

EDUCATION

AKTU / B.Tech (Computer Science) / 70%

2009 - 2013, LUCKNOW

Kendriya Vidyalaya / Higher Secondary School / 79%

2009, PUNJAB

Kendriya Vidyalaya / Secondary School / 75%

2007, PUNJAB
