Siva Thadiboina

Senior Systems Engineer (DevOps | Cloud | Automation)
London, Ontario, Canada | [Email](#) | [LinkedIn](#) | [Portfolio](#)
TN Visa Eligible – No Sponsorship Required

SUMMARY

Senior DevOps / Cloud Engineer with around 7 years of experience designing, automating, and operating large-scale AWS infrastructure across gaming, crypto, banking, and consulting environments. Strong hands-on expertise in Kubernetes, Terraform, GitLab CI/CD, Docker, GitOps, Monitoring, IaC, and SRE reliability practices. Deep experience with multi-account AWS architecture, CI/CD modernization, Kubernetes optimization,infrastructure migrations, and troubleshooting complex production issues. Proven ability to support fast-paced engineering teams, increase deployment velocity, and improve platform stability and reliability.

CORE SKILLS

AWS • Multi-Cloud (Azure, GCP) • Kubernetes (EKS, self-hosted) • Docker • Helm • ArgoCD • GitHub/GitLab CI/CD • GitOps • Terraform • Istio (Service Mesh) • Kafka • PostgreSQL • Cassandra • Elasticsearch • Hashicorp Vault • Prometheus/Grafana • Datadog • CloudWatch • Ansible • Chef • Bash/Python • Autoscaling (Karpenter, HPA, ASG) • Zero-Downtime Deployments (Blue-Green, Canary) • SLO/SLA Design • Incident Response & Postmortems • Linux • Cloud Networking (VPC, DNS, Load Balancing) • Security Best Practices (IAM, KMS, OIDC, Secrets Management) • Disaster Recovery Patterns

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PROFESSIONAL EXPERIENCE

Behaviour Interactive | *Senior DevOps Engineer* **|** *June,2025 – Present*

- Manage **AWS multi-account infrastructure** supporting real-time multiplayer gameplay, matchmaking, and backend services.
- Operate and optimize **EKS clusters** using Pod Disruption Budgets, pod anti-affinity, **Karpenter autoscaling**, and safe rollout strategies.
- Own the **ArgoCD ApplicationSet** migration, enabling dynamic multi-environment **GitOps** deployments and repo restructuring.
- Troubleshoot advanced **GitLab CI** issues involving **OIDC**, Docker registry tokens, runner capacity, and image pull bottlenecks.
- Lead **Docker registry cleanup**, **ECR migration**, tag standardization, and artifact retention improvements.
- Maintain **Terraform modules** for Lambda, DynamoDB, ALB, Route53, KMS, and shared cloud components.
- Improve observability by tuning **p95/p99 latencies**, refining alerts, and building **Datadog** dashboards.
- Support production releases, outages, incident response, and cross-team debugging to ensure game stability.

CIBC | *Consultant (Cloud/DevOps Engineer)* **|** *Apr, 2024 – Dec, 2024*

- Supported enterprise cloud platforms by managing **AWS**, Kubernetes workloads, **Terraform IaC**, and **GitHub Actions CI/CD** workflows.
- Automated environment provisioning using **modular Terraform** and OIDC-authenticated GitHub pipelines.
- Improved pipeline reliability through **Docker caching**, optimized build stages, and registry tuning.
- Resolved deployment failures, scalability issues, and infrastructure challenges across regulated environments.
- Designed compliance-focused observability using **Logz.io**, including SLO/SLA reporting and audit-ready alerting.
- Enforced **cloud governance**, tagging standards, and cost visibility across AWS accounts.

BMO | *Hashicorp Developer Consultant* **|** *Jun, 2023 – Mar, 2024*

- Implemented **HashiCorp Vault** using **Ansible Tower**, delivering centralized secrets management for critical platforms.
- Enabled **Active Directory authentication**, RBAC, and automated credential rotation integrated with CI/CD pipelines.
- Developed onboarding workflows, tooling, and documentation for application teams adopting Vault.

- Built secure **Terraform modules** aligned with banking security and compliance standards (IAM, VPC, environment provisioning).
- Developed **GitLab CI** templates for controlled deployments across dev, QA, and production.
- Collaborated with **InfoSec** and audit teams to meet regulatory, compliance, and governance requirements.

Coinsquare | *Site Reliability Engineer* **|** *Sept, 2020 – May, 2023*

- Architected and operated **multi-cloud infrastructure** (AWS primary, Azure integrations, GCP for domain services) for a global crypto platform.
- Managed **self-hosted Kubernetes clusters** with custom manifests, RBAC, network policies, and **Istio service mesh** for secure service communication.
- Built and maintained a comprehensive **Terraform IaC** stack covering networking, IAM, compute, multi-cloud automation, and DR.
- Automated provisioning and configuration using **Ansible**, Terraform pipelines, and custom orchestration tools.
- Designed **zero-downtime CI/CD pipelines** in GitHub, implementing **blue-green** and **canary** rollout strategies.
- Managed core platform components (**Kafka**, PostgreSQL, Cassandra, Elasticsearch) ensuring performance and high availability.
- Implemented full observability with **Prometheus, Grafana, Elasticsearch logging**, SLO/error budgets, and led incident response/RCA.
- Integrated **HashiCorp Vault** for secrets management, encryption workflows, and standardized service onboarding patterns.

CGI | *DevOps/Cloud Engineer* **|** *Oct, 2019 – Aug, 2020*

- Built cloud infrastructure for SaaS platforms using **AWS** and **Terraform**, developing reusable modules and standardized templates.
- Automated deployments and environment provisioning using **Chef** (cookbooks, policies, pipelines).
- Developed **CI/CD pipelines** incorporating testing, artifact storage, and controlled environment promotion.
- Containerized legacy applications using **Docker**, improving deployment speed and reliability.
- Optimized infrastructure **cost, performance, and operational reliability** through tuning and automation.

Opsroute | *Cloud Engineer* | *Jun, 2018 – Sept, 2019*

- Built foundational **AWS infrastructure** (IAM, VPC, EC2, S3) to support multiple client applications and environments.
- Introduced **Terraform** to standardize and automate environment provisioning, reducing manual setup time.
- Automated routine operational tasks using **Bash/Python**, improving deployment efficiency and consistency.
- Assisted with application packaging, basic **CI/CD pipelines**, and **logging/monitoring** setup using **CloudWatch**.
- Supported application teams with cloud deployments, troubleshooting environment issues, and configuration updates.

EDUCATION

PG Diploma in Wireless Information Networking
Sir Sandford Fleming College, 2018

Bachelor's Degree in Electrical & Electronics Engineering
Jawaharlal Nehru Technological University of Kakinada, 2015

CERTIFICATIONS

Certified Kubernetes Administrator
AWS Certified SysOps Administrator

ADDITIONAL

Eligible for U.S. employment under TN NAFTA professional category.