

## SUMMARY

**Senior DevOps / Cloud Engineer** with 5+ years building and operating multi-region Kubernetes platforms at **Stripe**, **Databricks**, and **Paytm**. Delivered **99.9% uptime** across high-scale fintech systems, cut **MTTR by 25%**, and reduced infrastructure provisioning time by **35%** through **Infrastructure-as-Code** and automation. Deep expertise in **AWS EKS**, **Terraform**, **GitOps**, and **observability** — with a strong track record in **SOC 2 / PCI-DSS compliance** and production SRE at payment scale.

## PROFESSIONAL EXPERIENCE

### Stripe | Senior DevOps / Cloud Engineer

California | September 2024 – Present

- Designed and operate a multi-region **AWS EKS platform** using **Helm**, **GitHub Actions**, and **Ansible** — **99.9% uptime** while supporting **15% transaction volume growth** with zero infrastructure-caused incidents.
- Built and maintained secure **AWS infrastructure** across EKS, EC2, RDS, ElastiCache, and S3, reducing infrastructure provisioning time by **35%** through **Infrastructure-as-Code** and automation.
- Architected **AWS VPC networking** for Kubernetes workloads across multi-AZ environments (private subnets, routing, load balancers, ingress controls, security groups), cutting environment-related deployment issues by **20%**.
- Integrated **Trivy vulnerability scanning** and **Open Policy Agent (OPA)** policy-as-code into **GitHub Actions** pipelines, enforcing **SOC 2 / PCI-DSS compliance** and blocking non-compliant deployments before production.
- Partnered with **ML and Quant teams** to deploy GPU-accelerated infrastructure on **AWS SageMaker** and **EKS**, reducing model inference latency by **20%**.
- Built end-to-end **observability and FinOps dashboards** with **Prometheus** and **Grafana** — reduced **MTTR by 25%** and surfaced cloud cost optimization opportunities across the platform.
- Developed **Python automation** for predictive infrastructure failure detection using **scikit-learn** and **TensorFlow**, cutting incident response time by **30%**.
- Shipped self-service **Kubernetes tooling** and deployment workflows that improved developer release efficiency by **25%** and reduced operational friction across engineering teams.
- Optimized **high-availability PostgreSQL (RDS)** and **Redis (ElastiCache)** clusters with automated backups, performance tuning, and connection pooling to ensure data integrity and uptime for payment systems.

### Databricks | DevOps Engineer

California | November 2023 – August 2024

- Engineered **Infrastructure-as-Code** with **Terraform** and **Azure Bicep**, automating provisioning of **AKS clusters**, **App Services**, and **Virtual Networks** — enabling repeatable, multi-team deployments across complex Azure environments.
- Built and maintained scalable **Azure DevOps (YAML)** CI/CD pipelines for microservices, automating build, test, and deploy workflows and accelerating release cycles by **15%**.
- Containerized and deployed distributed applications on **Docker** and **Azure Kubernetes Service (AKS)**, improving **portability**, **scalability**, and **environment consistency** across staging and production.
- Implemented end-to-end observability with **Azure Monitor** and **Log Analytics**, enabling real-time performance tracking and proactive alerting — cut **MTTR by 20%**.
- Partnered with **Agile/Scrum** teams using **Git-based workflows** (branching, pull requests, code review) to strengthen collaboration, code quality, and CI discipline.

### Paytm | DevOps Engineer

India | June 2019 – July 2022

- Led **Site Reliability Engineering** for the **UPI payment gateway** — a mission-critical system processing millions of transactions daily. Deployed **Prometheus** and **PagerDuty**, implemented **SLO/SLI observability** practices, and reduced incident resolution time by **15%**.
- Built and maintained **CI/CD pipelines** with **Jenkins**, **GitLab CI**, **Argo CD**, and **Docker** — enabling daily deployments and improving release reliability by **25%**.
- Designed automated **disaster recovery strategies** for high-availability payment systems using **Terraform** and **AWS CloudFormation**, achieving **Recovery Time Objectives (RTOs)** within SLA thresholds and ensuring business continuity for mission-critical workloads.
- Implemented **PCI-DSS-compliant** IAM policies, **AWS KMS encryption**, and **HashiCorp Vault** to secure cardholder data and strengthen cloud security posture.
- Automated **Linux configuration** and built **Python-based operational tools**, reducing manual effort by **20%** and eliminating common vulnerabilities through standardized hardening.

## TECHNICAL SKILLS

**Cloud Platforms:** AWS (EKS, EC2, S3, RDS, Lambda, Fargate, DynamoDB, SageMaker, VPC), Azure (AKS, Azure Monitor, Azure DevOps, Azure SQL, Sentinel)

**Infrastructure as Code:** Terraform, AWS CloudFormation, Azure Bicep, ARM Templates, Ansible, Helm, Pulumi

**CI/CD & Containers:** GitHub Actions, Azure DevOps, Jenkins, GitLab CI/CD, Argo CD, AWS CodePipeline, Docker, Kubernetes (EKS, AKS, OpenShift)

**Observability & SRE:** Prometheus, Grafana, ELK Stack, CloudWatch, Application Insights, OpenTelemetry, PagerDuty, Splunk, AppDynamics

**Security & Compliance:** HashiCorp Vault, AWS Secrets Manager, AWS KMS, IAM Policies, Trivy, Open Policy Agent (OPA), SOC 2, PCI-DSS

**Programming & Automation:** Python (scikit-learn, TensorFlow), Bash, PowerShell, AI-driven Incident Response, Predictive Anomaly Detection

**Databases & Storage:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis (ElastiCache), Oracle, SQL Server

**Methodologies:** GitOps, Blue-Green Deployments, Site Reliability Engineering (SRE), Agile (Scrum, Kanban)

## EDUCATION

**Master's in Computer Science** | Stevens Institute of Technology, New Jersey, USA.