SHRIKAR KADULURI

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PLATFORM ENGINEER / DEVOPS ENGINEER

Platform and DevOps Engineer specializing in production-inspired cloud platforms that improve reliability, reduce deployment risk, and enable developer self-service at scale. Hands-on experience in infrastructure automation, Kubernetes orchestration, CI/CD pipelines, and observability systems. Focus on failure handling, rollback safety, and guardrails shaped by real-world production support and incident management across Azure and AWS environments.

TECHNICAL SKILLS

DevOps & Automation: Terraform, Infrastructure as Code, Kubernetes, Docker, Helm, ArgoCD, GitHub Actions, Jenkins
Cloud Platforms: Microsoft Azure (AKS, VMs, VNets, Monitor, Entra ID), AWS (EKS), Multi-Cloud Architecture
Observability: Prometheus, Grafana, Loki, Jaeger, Distributed Tracing, Structured Logging, Alerting
Service Mesh & GitOps: Istio, ArgoCD, Canary Deployments, mTLS, Traffic Management
Operations: Incident Management, Root Cause Analysis, Monitoring, SLA Management, ServiceNow ITSM
Scripting & Languages: Python, Bash, PowerShell, YAML, JSON
Certifications: Azure Administrator Associate (AZ-104), Azure Fundamentals (AZ-900)

PORTFOLIO PROJECTS

Internal Developer Platform (IDP) github.com/Parker2127/internal-developer-platform
Kubernetes, Terraform, GitHub Actions, Python *2024*

- Built self-service deployment platform reducing deployment time from 2 hours to 15 minutes with 99.95% success rate through automated validation, Terraform provisioning, and Kubernetes orchestration.
- Implemented blue-green deployment strategy with automated health checks and sub-60-second rollback capability, eliminating manual intervention during failures.
- Designed Python orchestration layer handling pre-deployment validation, infrastructure provisioning, and health monitoring with structured logging for incident debugging.
- Established drift detection in CI/CD to catch manual infrastructure changes, preventing production configuration inconsistencies.

Multi-Cloud Kubernetes Platform github.com/Parker2127/multi-cloud-kubernetes
Kubernetes (EKS/AKS), Istio, ArgoCD, Terraform, Helm *2024*

- Architected vendor-neutral Kubernetes platform across AWS and Azure supporting 50+ microservices with GitOps deployment model using ArgoCD for declarative infrastructure management.
- Implemented Istio service mesh for automatic mTLS encryption, canary deployments, and distributed tracing with Jaeger, reducing incident debugging time by 70%.
- Configured ArgoCD drift detection and automatic sync to prevent manual cluster modifications, enforcing Git as single source of truth.
- Designed cross-cloud failover strategy with sub-2-minute recovery time, mitigating single cloud provider outage risk.

Observability Stack Implementation github.com/Parker2127/observability-stack
Prometheus, Grafana, Loki, Jaeger, Kubernetes, Helm *2024*

- Deployed three-pillar observability stack (metrics, logs, traces) reducing mean time to detection from 45 minutes to 13 minutes through intelligent alerting and role-specific dashboards.
- Reduced alert fatigue by 92% (200+ alerts to 15 high-signal alerts) through severity classification and runbook integration, improving incident response time by 40%.
- Implemented structured JSON logging with label indexing using Loki, achieving 10x cost savings vs Elasticsearch while maintaining fast query performance.
- Configured Prometheus metric retention strategy with downsampling, reducing storage costs by 70% while preserving debugging capability.

PROFESSIONAL EXPERIENCE

Ohio Department of Rehabilitation and Correction London, OH
Information Technologist I – Infrastructure & Operations *Aug 2024 – Present*

- Support production infrastructure across 50+ enterprise endpoints, maintaining 99.8% uptime SLA through proactive monitoring, incident management, and root cause analysis using ServiceNow ITSM.

- Reduced incident resolution time by 15% through collaboration with network, identity, and application teams in hybrid Active Directory and Azure Entra ID environment.
- Apply DevOps practices to operational workflows including infrastructure automation with Terraform, CI/CD pipeline design with GitHub Actions, and monitoring configuration improvements.
- Maintain operational documentation and contribute to continuous service improvement initiatives, strengthening system reliability and incident response readiness.

WelSpot Dayton, OH
AI Operations & QA Intern *Mar 2024 – Aug 2024*

- Performed operational validation of Large Language Models to improve reliability and response consistency through systematic performance testing.
- Validated Retrieval-Augmented Generation (RAG) workflows integrating vector databases and Google BigQuery for scalable AI operations.

Infosys Hyderabad, India
System Engineer – Application Support & QA *Nov 2020 – Apr 2022*

- Conducted system observability and log analysis using Azure Monitor and Nmon to maintain system health during peak workloads and production incidents.
- Authored Root Cause Analysis reports using SQL and Excel to support performance remediation initiatives and operational stability improvements.

EDUCATION

University of Dayton Dayton, OH
Master of Science in Computer Science *Dec 2023*

Jawaharlal Nehru Technological University Kakinada, India
Bachelor of Technology in Computer Science *Sep 2020*