

SUHAS C

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SUMMARY

Results-driven Site Reliability Engineer with 4+ years of experience specializing in high-scale production environments. Proven track record in optimizing system performance, reliability, and cost-efficiency for global financial platforms. Expert in Kubernetes orchestration, Horizontal Pod Autoscaling (HPA), and automated self-healing systems. Proficient in developing sophisticated observability stacks (Prometheus, Grafana, ELK) and automating complex workflows using Go and Python to maintain 99.99% service availability.

EXPERIENCE

Site Reliability Engineer

Major Global Financial Services Engagement

Aug 2021 - Present

Remote / Karnataka, India

- **Infrastructure Optimization:** Optimized Kubernetes HPA and resource allocation for mission-critical microservices, improving resource utilization by 40% and reducing cloud infrastructure costs by \$2M annually.
- **Observability & Monitoring:** Engineered unified Grafana and Splunk dashboards for a global payment processing platform, providing real-time KPI visibility and reducing Mean Time to Detection (MTTD) by 35%.
- **Automation & Tooling:** Developed high-performance Golang utilities to automate log analysis and error detection, eliminating 50% of manual toil and streamlining CI/CD validation pipelines.
- **Incident Management & DR:** Led technical recovery efforts during major regional outages, implementing JWT token caching and parallel processing optimizations that significantly enhanced system resilience in secondary data centers.
- **Self-Healing Systems:** Designed and documented automated remediation logic for critical API services, enabling autonomous recovery from common failure patterns and reducing on-call alert fatigue.
- **Deployment Safety:** Integrated advanced validation gates into standard release cycles, coordinating cross-functional SRE teams to implement multi-retry logic and canary-style deployment safeguards.
- **Performance Tuning:** Conducted deep-dive analysis of CPU/Memory thresholds and stabilization windows, ensuring stable performance during peak traffic surges for high-volume transaction engines.
- **Chaos Engineering:** Executed failure scenario drills and infrastructure stress tests to identify bottlenecks, improving overall system MTTR by 30% through proactive risk mitigation.

SKILLS

Cloud & Orchestration	Kubernetes (K8s), Docker, Google Cloud Platform (GCP)
Observability Stack	Grafana, Prometheus, Splunk, Dynatrace, OpenSearch, ELK
Languages & Scripting	Golang, Python, Shell (Bash), SQL
SRE Practices	SLO/SLI/SLA Management, Incident Response, Error Budgets, Chaos Engineering
CI/CD & DevOps	Git, JIRA, ServiceNow

PROJECTS

Log Analysis Engine (Golang)

- Built an automated log retrieval and analysis tool using Splunk APIs and Go, reducing troubleshooting time by 40%.
- Implemented robust concurrency patterns to handle large-scale data ingestion and real-time error classification.

Automated Server Health Orchestrator

- Developed a validation framework to automate pre-and-post patching health checks for distributed server clusters.
- Accelerated maintenance windows by 60% while ensuring zero-downtime service transitions.

Full-Stack Event Monitoring Dashboard

- Created a React-based monitoring platform with a Go backend and MySQL to track high-volume event processing.
- Containerized the entire stack for seamless deployment and integrated real-time performance metrics via Splunk.

EDUCATION

B.E. in Computer Science and Engineering

SDM Institute of Technology, Ujire

2017 – 2021

CGPA: 7.0 / 10