CHETAN SIRIGUPPA

SITE RELIABILITY ENGINEER (SRE) | DEVOPS ENGINEER

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PROFESSIONAL SUMMARY

Site Reliability Engineer (SRE) and DevOps Engineer with 2+ years of experience supporting high-availability, production insurance platforms at Cognizant across AWS and Azure. Hands-on expertise in Kubernetes (EKS), Docker, Git, GitHub Actions CI/CD, and Infrastructure as Code (Terraform, CloudFormation, ARM).

Strong experience implementing DevSecOps practices using GitHub Advanced Security (CodeQL, Dependency Review, Secret Scanning), SonarCloud, Snyk, and OWASP ZAP, enabling secure and compliant application delivery. Proven ability in observability, incident reduction, automation, cloud migrations, and reliability engineering, delivering resilient, scalable, and secure platforms.

EDUCATION AND CERTIFICATION

B.Tech in Electronics and Communication Engineering | Rajeev Gandhi Memorial College of Engineering and Technology (2020-2023)
Diploma in Electronics and Communication Engineering | Govt Polytechnic College (2017-2020)
SSC | C.V.R Memorial high School 2017

TECHNICAL SKILLS

- **Cloud & Reliability Engineering:** AWS, Azure, High Availability, SLIs, SLOs, Incident Response, SLIs, SLOs, MTTR Reduction, Multi-AZ Architectures
- **CI/CD & Automation:** GitHub Actions, Jenkins, Git, Bash, YAML
- **Containers & Orchestration:** Docker, Kubernetes (EKS), Helm
- **Infrastructure as Code:** Terraform, AWS CloudFormation, Azure ARM Templates
- **Configuration Management & Automation:** Ansible
- **Observability & SRE Tooling:** Datadog, Prometheus, Grafana, Splunk, Alerting and Monitoring Strategies
- **DevSecOps:** GitHub Advanced Security, CodeQL, Dependabot, SonarCloud, Snyk, OWASP ZAP, OWASP Dependancy-Check, Trivy, tfsec, Terrascan, Secure Git Workflows

WORK EXPERIENCE

Jr. Software Engineer (SRE / DevOps Engineer) | Cognizant Technology Solutions
Client: Liberty Mutual Insurance Dec 2023 - Present

- Supported 10+ production and non-production insurance applications across AWS and Azure in a regulated enterprise environment.
- Designed, built, and maintained GitHub Actions CI/CD pipelines, enabling 50+ deployments per month with automated build, test, security scanning, and Kubernetes-based releases.
- Reduced deployment failures by ~40% through reusable workflows, validation checks, approval gates, and automated rollback mechanisms.
- Deployed and supported containerized workloads on Kubernetes (EKS), enabling rolling updates, environment isolation, and high availability for critical services.

- Provisioned and managed 100+ cloud resources using Terraform, CloudFormation, and ARM, improving consistency, auditability, and disaster-recovery readiness.
- Led AWS → Azure application migrations, recreating infrastructure, updating CI/CD pipelines, and validating production cutovers with near-zero downtime.
- MTTR improved by ~35% by implementing centralized observability using Datadog, Prometheus, Grafana, and Splunk.
- Embedded DevSecOps practices into CI/CD pipelines by implementing:
  - SCA using GitHub Dependency Review and Snyk
  - Secret Scanning and Push Protection
  - DAST using OWASP ZAP
  - SAST using CodeQL and SonarCloud
- Implemented security gates, required status checks, and branch protection rules to block insecure code from merging or deploying.
- Managed AWS IAM roles, policies, and secrets, enforcing least-privilege access for applications and pipelines.
- Collaborated with development and QA teams using ticket-driven workflows to meet SLA-based releases and resolve production incidents.

KEY ENGINEERING PROJECTS

DevSecOps CI/CD Security Enablement
- Designed security-first CI/CD pipelines with mandatory SAST, SCA, secrets scanning, and DAST stages.
- Integrated CodeQL, Dependency Review, SonarCloud, Snyk, OWASP ZAP, and secrets scanning as enforced pipeline controls.
- Established policy-based security gates, preventing vulnerable code from entering protected branches.

Cloud Reliability & Incident Reduction Initiative
- Defined SLIs and alerting thresholds across application and infrastructure layers.
- Built centralized observability dashboards correlating metrics, logs, and alerts.
- Reduced alert noise and improved on-call efficiency through alert tuning and actionable monitoring.

Infrastructure Automation & Standardization
- Developed reusable Terraform modules for networking, compute, IAM, and Kubernetes resources.
- Standardized infrastructure provisioning across environments for consistency and audit readiness.
- Integrated IaC security scanning (tfsec, Terrascan) into CI/CD workflows.

CERTIFICATIONS

- AWS Certified DevOps Engineer – Professional
- AWS Certified Solutions Architect – Professional
- Github Actions
- Github Advanced Security
- Microsoft Certified Azure Fundamentals (AZ-900)