

Site Reliability Engineer with 5+ years of experience in scaling cloud infrastructure, automating Kubernetes-native systems, and improving platform reliability through CI/CD, observability, and security tooling. Proven track record in building custom Kubernetes operators, managing production-grade GCP environments, and implementing security controls using tools like Falco and Sysdig.

## WORK EXPERIENCE

### Senior Site Reliability Engineer Exabeam

03/2024 - Present

Remote, INDIA

#### Achievements/Tasks

- Led migration from Looker Classic to Looker Core across Dev/Staging/Prod using Terraform; authored complete provisioning and deployment documentation.
- Developed custom Kubernetes operators to automate Spanner autoscaling and per-customer Logstash deployments using Helm and ArgoCD.
- Implemented Falco for runtime security with custom rules and GitOps-based rollout.
- Enforced secure networking via Istio (namespace/FQDN-based policies) and iptables for restricting internet egress to VPC-only traffic.
- Integrated Sysdig image scanning into GitHub Actions pipelines for vulnerability checks before image pushes to Google Artifact Registry.
- Deployed and managed 10+ ClickHouse clusters with GCP Private Connect, IP whitelisting, Prometheus monitoring, and step-based autoscaling strategies.
- Investigated and resolved incidents including CI/CD failures, DNS issues, and Kubernetes access problems.
- Configured Grafana alerts routed to Opsgenie to enhance incident response workflows.
- Reduced false positives and resource sprawl by identifying and cleaning up orphaned MongoDB instances and stale resources.
- Owned end-to-end deployment of Windmill app using Kustomize and GitHub Actions with staged rollout across environments.

## SKILLS

Kubernetes

Terraform

GCP

Helm

ArgoCD

Github Actions

Jenkins

CI/CD

Falco

Sysdig

Prometheus

Grafana

Istio

Kubernetes Operators

Docker

GoLang

Git

Concourse

Shell Scripting

Confluence

## PERSONAL PROJECTS

### Business Ideas Platform: FullStack AI-Powered App

- Built a full-stack web application using **React (frontend)**, **Golang (backend)**, and **Neo4j (graph database)** for managing business ideas with user collaboration and like comments features.
- Integrated **Auth0** for secure user authentication and role-based access control.
- Leveraged AI tools like **Cursor**, **Claude.ai**, and other agents to accelerate development, perform code reviews, and generate boilerplate efficiently.
- Demonstrated applied experience in **AI-assisted development workflows**, enhancing productivity and speeding up feature delivery.

### RTCM: Remote Traffic Control & Monitoring System

- Designed and developed an **IoT-based intelligent traffic control system** using **Python**, **Raspberry Pi**, and **Google Maps Public API**.
- System dynamically adjusted traffic light timing based on real-time traffic data and congestion patterns.
- Built with a vision to enable **choke-point analysis**, **live visualization**, and improved city traffic planning.
- Demonstrated capabilities in hardware-software integration, real-time data streaming, and crowd-sourced analytics.

### ExcelSheetMapper

- Developed a tool using **Apache POI (Java)** to automate the extraction and consolidation of data from multiple Excel sheets.
- Designed logic to intelligently map and merge inputs into a single structured output file.
- Achieved a **93% reduction in manual copying errors**, significantly increasing accuracy and operational throughput.
- Helped eliminate repetitive work in internal workflows, showcasing potential for enterprise data processing automation.

## WORK EXPERIENCE

### Member of Technical Staff - 2

VMWare

04/2022 - 12/2023

Bangalore, INDIA

#### Achievements/Tasks

- Automated Tanzu Kubernetes Grid (TKG) integration into Tanzu Mission Control (TMC); resolved issues across multi-cloud platforms (AKS, EKS, GKE).
- Developed CI/CD pipelines using Jenkins and Concourse for end-to-end automation of code promotion and infrastructure provisioning.
- Created a custom Concourse resource to detect code changes, build containers, and push to image registries.
- Built and maintained a test automation framework (Ginkgo, Go) for validating upgrades and cross-interface compatibility in TMC-SM.
- Designed automation for syncing container images across registries (e.g., Harbor ↔ ECR), improving image availability.
- Extended the internal test platform to support public cloud clusters (EKS, AKS, GKE)..
- Developed a test framework using Ginkgo and Golang which works on multiple product interfaces. It helped in multifold reduction in the testing time.
- Worked on enabling the self-developed testing framework for various public cloud Kubernetes platforms (EKS, AKS and GKE).
- Automated AWS cost optimizations using API-driven scheduling and tagging strategies.
- Implemented a source-control-based authorization provider for internal CI systems.

### Senior Software Engineer

Capgemini

09/2019 - 04/2022

Chennai, INDIA

#### Achievements/Tasks

- Led development of a scalable test automation framework for Guidewire Insurance Suite (State Farm Insurance), reducing testing time by 8x.
- Improved PolicyCenter message processing throughput by 11% through queue optimization.
- Optimized backend services by reducing unnecessary DB queries, achieving 35% faster response times.
- Deployed and managed enterprise apps on AWS Linux servers, including monitoring and performance tuning.
- Built an automated headless server management system that reduced downtime via proactive alerting.
- Designed tools (e.g., GAnalyzer) to validate Guidewire data models and reduce runtime schema issues
- Led development of an employee management portal (Spring Boot + Angular) with JWT-based access control.

## ACHIEVEMENTS

Awards for consistent contributions

*Received multiple "Pat on the Back" awards at Exabeam in recognition of consistent high-impact contributions and ownership of critical SRE initiatives.*

Awards for exceptional performance.

*Received 5+ spot awards for exceptional performance on different products in VMWare*

Awarded as winners in solution development under WeSynergize initiative 2020

*WeSynergize is a open problem solving platform initiative in Capgemini, where our team developed and delivered a Spring/Angular based web app.*

Worked as college lead under Google's GDSC(Google Developer Student Clubs) initiative.

(07/2017 - 06/2018) [🔗](#)

*Worked in developing various app solutions for local businesses to connect them to internet and enhance their business.*

## EDUCATION

**B.Tech (Hons.) (CSE)**

ABES Engineering College

07/2015 - 06/2019

Ghaziabad, INDIA

## CERTIFICATES

1Z0-808 Java SE 8 Programmer I

*Secured 92% score in Oracle Certified Associate (OCA) Exam*