Rakesh sk

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TECH LEAD

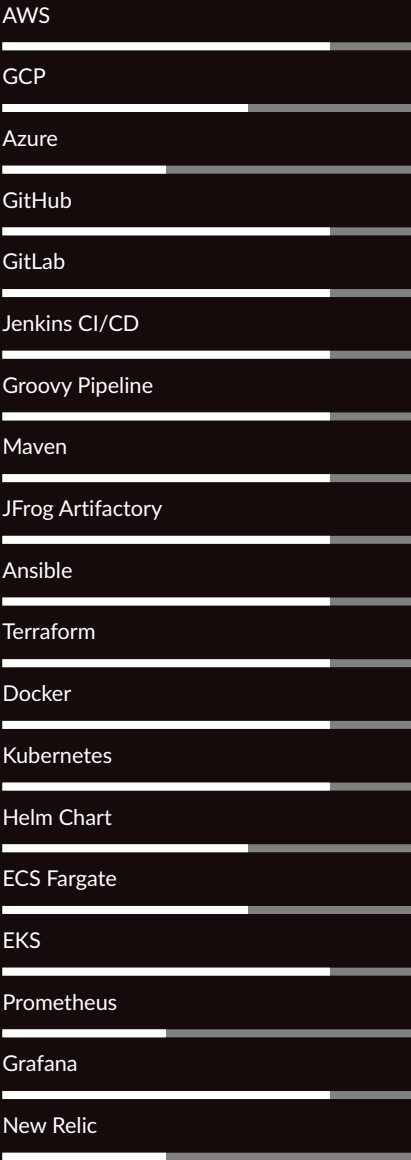## Personal Details

Coimbatore

India

9842436890

rsk.181297@gmail.com

Links

Portfolio Site

Linkedin Profile

Resume Site

Skills

AWS

GCP

Azure

GitHub

GitLab

Jenkins CI/CD

Groovy Pipeline

Maven

JFrog Artifactory

Ansible

Terraform

Docker

Kubernetes

Helm Chart

ECS Fargate

EKS

Prometheus

Grafana

New Relic

Professional Summary

Results-driven Site Reliability Engineer with over 5+ years of experience, **holding** AWS Solutions Architect Associate and GCP Certified Cloud Engineer certifications. **Adept at** architecting highly available, resilient multicloud infrastructure. **Consistently drives** operational excellence through end-to-end automation, proactive monitoring, and DevSecOps. **Passionate about** reducing operational toil and freeing engineering resources for innovation.

Professional Experience

Tech Lead (SRE), Cognizant Technology Solutions, Coimbatore, Tamil Nadu, India

02/2024 - Present

- **Orchestrated** a robust release management framework, **enabling** 200+ successful production releases annually with zero escalations. This **accelerated** feature delivery velocity by **2x** through daily deployments.
- **Reduced** average deployment time for **60+ microservices by 75% (from 6 hours to 90 minutes)** through full automation of **Continuous Integration/Continuous Delivery** stages, utilizing optimized **Jenkins Groovy pipelines** and **Ansible playbooks**.
- **Executed** Blue/Green deployment strategies for all major releases, **ensuring zero downtime and no customer impact** during updates.
- **Streamlined** on-boarding of Cassandra DB clusters onto **EKS** to ensure **Rolling Deployments** and **High availability Database** environment. Developed automated pipelines leveraging **Kubernetes** StatefulSets for persistent volume management and data consistency during updates.
- **Architected** and deployed **resilient cloud infrastructure** using **AWS services (EC2, S3, IAM, Route53, ELB, CloudFormation, ACM, Secrets Manager)-** . **Identified** and **optimized architectural flaws**, directly **reducing** cloud infrastructure billing by **nearly $5000 annually.**
- **Integrated 5+ automated quality gates** into CI/CD pipelines (e.g., **SonarQube**, **BlackDuck**, **Fortify**, and **Snyk**), reducing critical defects reaching production by **over 20%**.
- Engineered a comprehensive observability stack for **100+ microservices-** , utilizing **ELK Stack** for centralized logging. Integrated **Prometheus/Grafana** for visualization, using **RabbitMQ** as a queuing service. This **improved incident detection time by 30%** and **streamlined troubleshooting**.
- Drove **Kanban workflow** adoption in **Jira** for incident management, reducing Mean Time To Resolution **(MTTR) for critical issues by 25%** and **achieving 95%+ on-time** task completion. Built **team resilience** by implementing a **distributed workflow model**, ensuring **redundancy** of work.

Senior System Engineer (Senior DevOps Engineer), Cognizant Technology Solutions , Chennai, Tamil Nadu, India

10/2021 - 01/2024

• **Engineered and maintained** fully automated infrastructure as code architecture using **Terraform with Jenkins, Maven and Ansible**. This **streamlined** environment provisioning and **reduced** manual effort by **over 80%** across Dev, Staging, and Prod.

• **Spearheaded** legacy cloud application migration using Terraform, **establishing a stable operational environment** and **enabling faster, consistent rollouts**.

• Pioneered **legacy monolithic application** containerization with **Docker**. Oversaw its deployment on **AWS ECS with Fargate**, enabling efficient automated scaling and high availability.
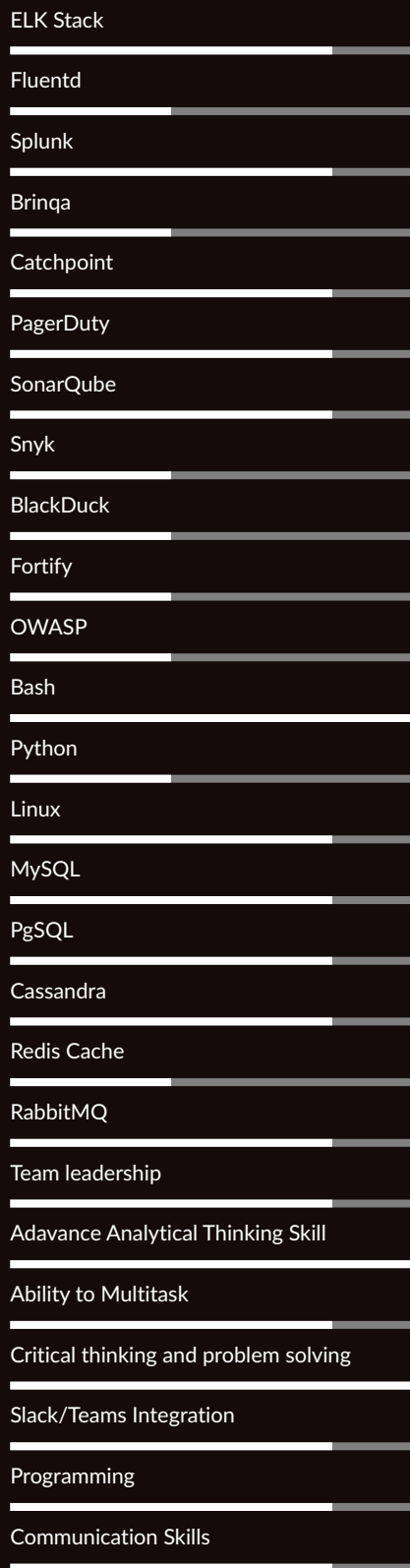
Languages

● **Automated** day-to-day operational workflows using deep **Linux/Unix expertise** and **Bash/Shell scripting**. This **ensured continuous improvement and delivery**, **saving** an estimated **10+ hours of manual effort per week** for the engineering team.

● Optimized **Catchpoint** alerting rules and thresholds, **reducing false-positive alerts by 40%** routed to **PagerDuty**. This ensured **quality work time and undisturbed off-hours** for **on-call engineers**.

● **Architected and managed** a secure cloud environment for **30,000+ Hosted Zones-**. **Leveraged** services like IAM, Secrets Manager, CloudFront, and ACM to **ensure end-to-end security and compliance**.

Junior System Administrator (Cloud Associate Engineer), Diya System, Mangalore, Karnataka, India

09/2019 - 04/2021

- **Managed** non-production environments on EC2 instances. **Configured LAMP stack** to host **WordPress CMS** and support developer testing.
- **Managed** code repositories on SCM tools (e.g., GitHub, GitLab). **Collaborated** with development teams to ensure consistent version control and branching workflows.
- **Provided** direct technical support to developers, **troubleshooting and resolving** LAMP stack issues. This **minimized** downtime and **ensured** non-production environment functionality.
- **Administered and maintained** core internet services, **managing** DNS records, IP addresses, and mail server configurations. **Ensured** reliable routing and communication for all company services.

Education

Bachelor of Engineering, Electronics and Communication, SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu

2015 - 2019

Certifications

AWS Certified Solutions Architect - Associate (SAA-C03)

Credly Link

Google Cloud Certified Associate Cloud Engineer

Credly Link

Aviatrix Certified Engineer (ACE) Multicloud Network Associate

Credly Link