

# LOHITASYA TATA

## SITE RELIABILITY ENGINEER

Site Reliability Engineer experienced in cloud automation, DevOps, and platform engineering with a focus on Infrastructure as Code and reliability at scale. Strong background in building CI/CD pipelines, observability platforms (ELK, APM, KPIs), and reusable service patterns across AWS and Azure. Proven ability to lead enterprise migrations, improve system reliability, accelerate software delivery through automation and cost optimization.

## WORK EXPERIENCE

### THOMSON REUTERS, Hyderabad, India

PLATFORM ENGINEER - APPLICATION SERVICES

May 2024 — Present

**Objectives:** Led end-to-end enterprise-wide migration of 180+ teams at Thomson Reuters from SparkPost to Amazon SES, designing and operating a centralized email platform handling 6+ million transactional emails across the organization with high reliability and observability.

#### Tasks Completed:

- Designed and built a scalable, serverless self-service platform enabling secure credential management and email operations (domains, events, webhooks, logging, observability, cross-account IAM access) with direct AWS integrations.
- Provisioned and managed infrastructure using AWS CloudFormation, Lambda, API Gateway, S3, and Amazon SES, following infrastructure-as-code and automation best practices.
- Implemented Datadog indexes and dashboards to provide real-time observability into email throughput, delivery events, bounces, complaints, and platform health.
- Authored comprehensive technical documentation covering identity creation, group management, migration workflows, SES sending guidelines, and troubleshooting procedures.

**Objectives:** Build and optimize multi cloud service patterns and integrations. Focus on cost management, security, and FedRAMP compliance (A US government program that helps federal agencies use cloud services securely). Develop Infrastructure as Code (IaC) solutions and leverage Datadog for monitoring and performance insights.

#### Tasks Completed:

- Developed and standardized architectural patterns across AWS and Azure services, including AWS ALB, ACM-PCA, CloudFront, Lambda, Azure App Configuration, AD, and Microsoft Graph. Created decision trees to help product teams like Westlaw, Cobalt, and Reuters News integrate these services efficiently.
- Automated cloud infrastructure deployment using CloudFormation to set up NGINX Plus in EC2 associated load balancers over private SSL communication to ensure FedRAMP compliance (A US government program that helps federal agencies use cloud services securely).
- Built and optimized serverless monitoring solution across multiple environments with AWS Lambda, DynamoDB, S3, & Datadog API to track number of nginx-plus host count data visualization in PowerBI which helps business to have live track and negotiate over accurate subscription count resulting in significant cost reduction.
- Designed and deployed secure cloud-native microservices that communicate over private SSL, automating AWS PCA certificate issuance for Java applications using the Open Liberty/Gradle framework. Optimized scalability and performance by improving service boot time through efficient infrastructure automation.

## CONTACT

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## PROFESSIONAL SKILLS

### Hard Skills:

- Cloud:** AWS, Azure
- APM:** Datadog, New Relic
- Project Management:** Jira, Azure DevOps
- SDLC:** Agile & Lean

### Software:

- Languages:** Python, PHP
- Frameworks:** Docker, Terraform, Flask, CodeIgniter, Laravel

### Techniques:

- Application patterns and Integration
- Cloud - IaC
- Solution Architecture
- Disaster Recovery
- Cost Optimization

### AWS:

- VPC – Subnets, Routing, Endpoints
- EC2, ECS, EKS, SES
- ALB – Listener, Rules, TG's,
- CloudFront – Origins, Behaviors
- R53 – Private, Public
- Serverless – S3, Lambda, SQS, SES, API Gateway
- Automation/CICD – Boto3
- Cost Optimization

### AZURE:

- Azure AD
- Microsoft Graph
- Functions
- App Configuration
- CDN

## Awards

**Thomson Reuters:**  
2x Best Performer

**Bajaj Finserv Markets:**  
3x Performer of Quarter  
July 2023 – Feb 2024

2x Super Achiever  
Feb 2023 and May 2023

# BAJAJ FINSERV MARKETS, Pune, India

SITE RELIABILITY ENGINEER

February 2022 — May 2024

**Project:** To set up an agile SaaS digital platform to serve financial products and services for Bajaj group, partners and other NBFCs and banks.

**Client:** BFL, Open Markets to multiple partners, B2B Journey for Banks and NBFCs.

**Objective:** Bajaj AMC is a B2B client where we to provide Agile DevOps platform for existing and new Digital Journeys with LOBs like mutual-funds, loans, insurances.

## Tasks Completed:

- B2B Journey setup using Terraform which involves VPC, CloudFront, Route53, Public/Private ALB, IAM, RDBMS, S3-Buckets policies, ECS, EC2 using terraform.
- ELK Setup for logging and API monitoring.
- Complete CI-CD automation using Python boto3 and Jenkins(groovy) from GIT SCM to AWS ECS.
- Have setup Auto deployment setup which triggers Jenkins job based on Jira status and merge to Prod branch in Bitbucket

## Complete CI-CD automation from source code to AWS microservices:

**Objective:** At an easy on single button CI-CD process is carry forwarded from git to AWS production deployment.

## Tasks Completed:

- We have developed a service catalogue when service & its configuration, endpoints registration, Jenkins job creation, GIT repo creation in bitbucket.
- Production timer scheduler of deployments to easy late-night deployments.
- Job status indication for service steadiness in microservice container.

## Resource On boarding automation:

**Tasks Involved:** User ADID creation, VPN profile configuration, Jump server creation & provision, User Jira tasks automation. Since it was a hurdle where my team is doing manual operations, I've completed this project using python boto3 AWS's SDK as backend, MySQL as database, CodeIgniter as frontend. I have implemented queue for request registration.

## Code Analysis:

**Tasks Involved:** SonarQube Integration for microservices.

I have achieved this task using Jenkins-Groovy scripts for scanning the workspace and test files of the respective service and setting gate for code coverage.

## PATENTS

Patent for Food-Supply chain using Block Chain technology for transparency and availability.

## Previous Experience:

- WordPress
- HTML, CSS
- Sites Designed (<https://www.ecomall.xyz>)

## EDUCATION

**SRM UNIVERSITY**  
BACHELOR OF TECHNOLOGY  
COMPUTER SCIENCES

## PATENTS

Patent for Food-Supply chain using Block Chain technology for transparency and availability.

## JOB STATUS

Currently employed at:  
**Thomson Reuters**

**Role:** Platform Engineer – Application Services  
**Designation:** Software Engineer – III Mindspace, Hyderabad

Previously employed at:

**Bajaj Markets**  
**Role:** SRE - II  
**Designation:** Deputy Manager  
Location: Viman Nagar, Pune