

# NAGA SATYA LAKSHMI ASRITHA NIBHANUPUDI

[nibhanupudiasritha@gmail.com](mailto:nibhanupudiasritha@gmail.com) | +91 91545 97916 | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) | Bangalore, India

## PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience in Cloud Engineering, DevOps, Platform Engineering, AWS, Kubernetes, CI/CD, Infrastructure as Code, Observability, and Distributed Systems. Experienced in building and operating cloud-native platforms using AWS CDK, ECS Fargate, Lambda, API Gateway, Aurora, Kafka, Prometheus, and Grafana. At Oracle, delivered 30% faster deployments and 60% faster regression cycles. Now at Goldman Sachs working on hybrid API gateway infrastructure and AWS-native microservices.

## TECHNICAL SKILLS

**Cloud & Infrastructure:** AWS (API Gateway, Lambda, ECS Fargate, Aurora PostgreSQL, EventBridge, SQS, S3, VPC, NLB/ALB, Route53, PrivateLink), AWS CDK, CloudFormation, Kubernetes, Linux, Nginx

**DevOps & CI/CD:** GitLab CI, GitHub, Pipeline Orchestration, Release Automation, Flyway, Docker

**Observability & Reliability:** Prometheus, Grafana, PagerDuty, Distributed Systems Debugging

**Identity & Security:** OIDC, PingFederate, Lambda Authorizers

**Streaming & Data:** Apache Kafka, Strimzi Operator, REST APIs, MySQL

**Languages:** TypeScript, Python, JavaScript, C++, Bash/Shell, C

**Frameworks & Tools:** Cypress, Postman

**Core Concepts:** OOP, DSA, Agile/Scrum, IaC, Microservices

## CAREER EXPERIENCE

**Goldman Sachs** - Analyst (SWE 1)

May 2026 - Present

- Onboarded a wealth management client channel to the firm's **next-generation API Gateway platform** - a hybrid system spanning on-prem (Nginx, IaC-templated firewall rules) and multi-region AWS (private API Gateway via VPC Endpoint and NLB, Python Lambda authorizer) with **weighted DNS failover**.
- Contributing to a **cloud-native cash optimization (deposit sweep) platform** on AWS using CDK TypeScript: VPC networking, API Gateway with Lambda authorizer, ECS Fargate services, Aurora PostgreSQL with Flyway migrations, EventBridge-based async enrollment pipelines (SQS/DLQ), and S3 lakehouse ingestion.
- Onboarding **Prometheus + Grafana SLO observability** for Java microservices in QA and PROD; refining URI-aware recording rules, diagnosing missing HTTP metrics in JAX-RS services, and investigating CI overwrite risks in pipeline-generated SLO configs.
- Participating in **run-the-bank rotation**: investigating intermittent service health degradation, integrating PagerDuty alerts across deployment environments, and supporting release execution.

**Oracle India Pvt Ltd** - Software Engineer (Automation & Infrastructure)

Aug 2024 - Apr 2026

- Designed and optimized **GitLab CI/CD pipelines**, cutting deployment times by **30%** and improving release consistency across environments.
- Spearheaded test strategies for **Apache Kafka** and **Strimzi Operator**, ensuring **zero regression failures** during major version upgrades and improving distributed system reliability.
- Collaborated with development teams on **Kubernetes deployments** (VM clusters, containerized workloads), debugging infrastructure issues and strengthening production reliability.
- Automated **150+ Cypress test cases**, reducing regression cycles by **60%** and accelerating feature delivery.
- Automated **KeyCloak IdP flows** (REST APIs, Shell, Cypress) and OpenSearch dashboard integrations, reducing manual operations by **50%** while securing backend integrations.
- Mentored junior teammates on CI/CD best practices and Linux/K8s debugging; recognized with **Best Efforts award** for cross-functional impact.

**Oracle India Pvt Ltd** - Project Intern (Automation & Infrastructure)

Jan 2024 - Jul 2024

- Built **modular Cypress components** integrated into enterprise pipelines for long-term reusability.
- Investigated root causes of critical defects in functional testing, reducing **bug leakage by 20%** and improving system stability.

## PROJECTS

**Multi-Level Authentication System (Encryption + RFID + PIN)** - [IEEE ICMACC 2024](#)

Co-authored peer-reviewed paper on a standalone access control system combining RFID and PIN-based authentication on microcontrollers, demonstrating layered hardware authentication principles.

## EDUCATION

**B.Tech, Electronics and Communications Engineering** - VNR VJIE

Dec 2020 - Apr 2024

CGPA: 8.62 / 10