

# SUNIL GUNTUPALLI

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## SUMMARY

Highly accomplished **Software Engineer** with **4+ years of expertise** in designing, developing, and deploying scalable **Microservices** and high-availability cloud systems. Expert in **Python, Java (Spring Boot), Node.js**, and modern **DevOps/SRE** principles. Proven track record in optimizing system performance, reducing API latency by **35%**, and achieving system **uptime improvements of 40%** through refactoring and CI/CD automation.

## TECHNICAL SKILLS

- **Languages & Frameworks:** Python, Java (Spring Boot), Node.js/TypeScript, SQL, Bash
- **Cloud & DevOps:** GCP, AWS, Azure, Kubernetes, Docker, Terraform, CI/CD (Jenkins, GitHub Actions)
- **Data & Architecture:** Microservices, Distributed Systems, PostgreSQL, DynamoDB, Redis (Caching), Pub/Sub, BigQuery
- **Reliability & Tools:** SRE Principles, Prometheus, Grafana, Kafka/RabbitMQ Concepts, Performance Tuning

## PROFESSIONAL EXPERIENCE

### OpenQQuantify

Aug 2024 - Nov 2025

#### SOFTWARE ENGINEER

Remote

- Built and managed cloud infrastructure using Docker and Kubernetes on Google Cloud Platform, ensuring 99.9% system uptime and facilitating seamless application deployment
- Optimized PostgreSQL queries and schema, reducing latency for critical backend services by **35%** through performance tuning and indexing.
- Implemented automated cloud infrastructure using Terraform, resulting in consistent and reliable deployments across all environments.
- Designed and deployed a scalable, multi-region architecture using **GCP services** (Cloud Functions, Pub/Sub) for system resilience.

### Motorola Solutions

Jun 2021 - Jul 2023

#### SOFTWARE DEVELOPMENT ENGINEER

Bengaluru, India

- Executed the strategic refactoring of monolithic applications into independent microservices, achieving a **40% increase in overall system uptime**.
- **Engineered CI/CD automation pipelines using Jenkins**, resulting in a **40% reduction in deployment time**.
- Developed and maintained **Python/Node.js communication modules** for **1M+ daily users**.
- Improved SQL query efficiency and optimized server-side logic, reducing API response time by **30%** through performance analysis.

### Deloitte

Jan 2021 - Apr 2021

#### ASSOCIATE SOFTWARE DEVELOPMENT ENGINEER

Bengaluru, India

- Developed **Python/SQL tools for backend automation**, directly reducing data processing time for internal pipelines by **60%**.
- Contributed to the development and testing of REST APIs for internal reporting systems.

## EDUCATION

### University of Cincinnati

Aug 2023 - May 2025

Masters of Engineering, Computer and Information Sciences

- **GPA:** 3.92
- **Coursework:** Distributed Systems, Cloud Architecture, Data Engineering Pipelines

### Koneru Lakshmaiah Education Foundation

Jul 2018 - May 2022

Bachelor of Technology, Computer Science

- **GPA:** 3.74
- **Achievements:** Completed 400+ LeetCode problems demonstrating strong problem-solving and coding abilities.

## PROJECTS

### Serverless API Gateway & Data Processing Pipeline

- Designed and deployed a **serverless API gateway on GCP Cloud Functions**, integrating **Pub/Sub and BigQuery** for scalable, high-volume data ingestion.

### ERP Suite Modernization

- Architected a modular system with **Docker for containerization** and automated deployment, focusing on fault tolerance and high availability.

## CERTIFICATIONS & RECOGNITION

- **Certifications:** Microsoft Certified: Azure Fundamentals (AZ-900), ServiceNow: Certified System Administrator, Automation Anywhere: Advanced RPA Professional
- **Recognition:** Gold Medalist - SWECHA Andhra Pradesh Coding Competition (Ranked #1 among 500+ participants)