

Education

BITS Pilani, Goa Campus
B.Tech Electronics and Communications +
M.S. Chemistry
8.53
August 2017 – June 2022

ODM Public School
12th Boards, CBSE
93 Percent

April 2015 – March 2017

Modern Public School
10 CGPA
March 2005 – March 2015

Skills

Programming Languages

Java, Go / GoLang, C, C++, Python, SQL, HTML, CSS, Data Structures

Frameworks and Libraries

Spring Boot, Spring, AWS Java SDK, Lombok, Gradle, Maven, Log4j, Microservices

API Developement

RESTful APIs, gRPC , HTTP 2.0, Protocol Buffers, Proto 2, JSON, REST APIs

Database

MySQL DB, AWS DynamoDB, Amazon RDS, MongoDB, Postgres, Oracle

Cloud Services

AWS EC2, AWS S3, AWS Lambda, AWS RDS, AWS SQS, AWS Route53

DevOps and CI/CD

Docker, Jenkins, Git, Github, Code Star (AWS suite)

Soft Skills

Communication, Teamwork, Collaboration, Ownership, Curiosity, Leadership

Interests

Professional

IoT DIY, Arduino, Mentoring Juniors

Personal

Video Editing, DIY Crafts, Biking

Awards

TCS CodeVita All India Rank 41
Tata Consultancy Services
July 2020

Apex context Campus rank 1, All India Rank 18
Scaler
September 2020

Languages

English, Hindi, Odia, Bengali
Professional

Sreeram Panigrahi

Backend Software Developer (SDE1)

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🌐 <https://www.linkedin.com/in/sreeram-panigrahi/>

Summary

Backend developer skilled in AWS, Java, and Spring Boot. Led key projects in Catalog Systems, including Kafka to AWS SQS migration, API latency reduction, and SQL to NoSQL database migration. Proficient in optimizing Lambda APIs and using AWS CDK for Infrastructure as Code.

Experience

Swiggy **July 2022 – August 2024**
SDE1 Bengaluru

- Spearheaded and designed database migration plan from **SQL (AWS RDS)** to **NoSQL (AWS DynamoDB)** for a high-traffic service handling up to **700k rpm** requests, evaluated and ensured zero downtime and assessed synchronous updates across databases.
- Led a strategic migration project from **Kafka** to **AWS SQS**, achieving a significant reduction in latency from a **million messages to thousands** which was attained through **asynchronous processing**.
- Led the migration from legacy **Java** services to **GoLang**, consolidating 4 ingestion flows into 1, reducing maintenance complexity, and ensuring zero downtime for **700k+** rpm requests.
- Redesigned **REST APIs** using **Protocol Buffers** and **gRPC**, reducing response times from tens of seconds to **800ms**, significantly enhancing system efficiency and user experience..
- Designed and implemented a generic config store using **AWS DynamoDB** to validate packaging charges, handling **peak 5k rpm** traffic. Automated the item price flow, eliminating egregious charges (**5%** of total cases), and removing the need for manual intervention by business operations..
- Created **AWS S3** for menu uploads, reducing payload size from 10MB to 100KB in **AWS RDS** and cutting storage costs by 30%.
- Took ownership of menu services, successfully analyzed and streamlined redundant metrics from 15k points to 10k, and introduced essential **health metrics** across partners.

Amazon **January 2020 – June 2020**
SDE Intern

- Established a comprehensive **CI/CD** pipeline for **AWS Lambda** service, which effectively relays customer information in **DynamoDB** and provides **REST APIs** for various use cases, complete with custom metrics using **AWS CloudWatch**.
- Achieved a tenfold reduction in Lambda API latencies, from **200ms to 20ms**, by creating a Library to bypass Lambda and **API Gateway** overheads in internal networks, significantly enhancing performance.
- Developed the service using **Infrastructure as Code (AWS CDK)**, ensuring its 24/7 availability and strict adherence to the SLA which facilitated seamless integration with multiple other services, enhancing overall system efficiency and reliability.

Swiggy **July 2021 – December 2021**
SDE Intern

- Engineered a **high-scale NoSQL (DynamoDB)** database design for the reconciliation of missed orders, automated **~ 1%** of Swiggy's daily order volume that cut down involvement of business analytics.
- Pinpointed the root cause of unreconciled orders, implementing a solution that resulted in a dramatic reduction of approximately **90%** in the initial volume of unreconciled orders.

Volunteering

AIESSEC **December 2019 – January 2020**
Social Media Intern Cairo, Egypt

Electronics Engineering and social media intern at Prolimb Technologies leading and executing United Nation's peace charter for Global Development.