

ARPAN LAYEK

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TECHNICAL SKILLS

Programming Languages: Java, Go, C++, NodeJS, Ruby

Databases: MySQL, Redis

Backend Frameworks: Spring Boot, Gin, Play

Frontend Frameworks: ReactJS, Android

Tools & Technologies: Kafka, RabbitMQ, Kubernetes, Docker, Elastic Search

Core Skills: Microservices, Distributed Systems, Event-driven Architecture, Data Structures & Algorithms

EXPERIENCE

- NinjaVan** Hyderabad, India
Software Engineer 2 Mar 2024 - Present
 - Architected migration of **webhook infrastructure** from Java monolith to **Go-based microservices**, implementing **Kafka-driven event streaming** and improving system scalability by **100×** utilizing concurrent goroutines.
 - Designed a **robust retry framework** with exponential backoff (up to 10 retries), achieving **99.9% delivery reliability** and near-zero data loss for mission-critical webhook transmissions.
 - Built several core modules for **External Platform Integration** service, onboarding **15+ enterprise shippers** (TikTok, Lazada, Shopee) by normalizing payloads and handling authentication, contributing to a **10% increase in B2B order volume**.
 - Developed the **Webhook History service** with automated daily SLA reports and GChat alerts, reducing manual debugging time by **70%** and enhancing incident visibility.
 - Optimized throughput using **Kafka pre/post-processing pipelines**, reducing average webhook latency by **50%** under high load conditions.
 - Lead **sprint planning and daily standups** for the backend team, while **mentoring junior engineers** on code reviews and system design patterns, directly improving team velocity and code quality.
- Urban Ladder (Reliance Retail)** Bangalore, India
Software Engineer Jul 2022 - Mar 2024
 - Implemented the **Promise Engine** using **Spring Boot** and **Redis**, enabling precise delivery predictions and achieving a **2×** reduction in API response time.
 - Architected an asynchronous system using **RabbitMQ** to decouple microservices, preventing **500+ daily failures**, and built **ReactJS** dashboards to streamline logistics configurations.
 - Designed **Grafana** monitoring dashboards and alerting systems to track inventory SLA mismatches, while maintaining internal tools for warehouse operations.
 - Enhanced the logistics **Android application** by integrating bulk image upload features using Retrofit, significantly accelerating the quality check process for warehouse teams.
- Software Development Intern* Dec 2021 - Jul 2022
 - Resolved critical **N+1 query bottlenecks** by implementing eager loading, drastically reducing API latency from **45s to 0.45s**.
 - Implemented auto-reconnection logic for **Ruby on Rails** background workers (Backburner), eliminating job failures caused by **Beanstalkd** connection drops.

EDUCATION

- Jalpaiguri Government Engineering College** Jalpaiguri, India
Bachelor of Technology in Computer Science and Engineering — CGPA: 8.76/10.0 2018 - 2022

ACHIEVEMENTS & COMPETITIVE PROGRAMMING

- Competitive Programming:** Achieved **Expert** rating on Codeforces (Max Rating: 1499) and **4-Star** rating on CodeChef (Max Rating: 2001); solved **550+** algorithmic problems on LeetCode.
- Contests & Awards:** Selected as a **HackwithInfy Finalist** and secured **3rd Rank** in Code Chronicles.