

NIHALAHMED BARUDWALE

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Summary

Software Engineer with 2 years of experience building **scalable backend architectures** and **high-throughput distributed systems** using **Go, Kafka, Redis, and GCP**. Proven success in designing **fault-tolerant platforms**, deploying **scalable APIs**, maintaining **Kubernetes-based workloads**, and resolving client-critical issues with a focus on reliability, performance, and ownership.

Professional Experience

Jio Platforms Limited

Jul 2023 – Present

Software Development Engineer

Mumbai, Maharashtra

- Engineered **cloud-native backend systems** using **Go and Node.js**, increasing user engagement by 40% with distributed architecture.
- Optimized **data access patterns** and accelerated **CI/CD pipelines**, reducing **data retrieval time by 30%**.
- Led cross-functional collaboration, applying **problem-solving skills** to resolve **client-critical issues**, maintaining **SLAs** and cutting **production incidents by 25%**.
- Managed and monitored **Kubernetes-based deployments**, ensuring **config map consistency**, **cron job health**, and **rollout stability**, improving reliability by 35%.

Projects

JIOCX - Bulk SMS Portal | *Go, PostgreSQL, Redis, Kafka, Elasticsearch, GCS Bucket, AI Voice Bot*

Apr 2024

- Delivered a scalable platform powering up to **5 crore SMS and OBD communications/day** for enterprise clients.
- Architected campaign workflows supporting **1.5 crore lead uploads** via **GCS Bucket**, with seamless CSV/Excel processing.
- Enabled **1000+ AI voice campaigns/month** using configurable agents and knowledge bases, automating **70%** of support interactions.
- Improved **analytics accuracy by 45%** through real-time tracking with Kafka, and cut query latency **by 60%** via Redis and Elasticsearch.

JIOCX – Inbound SMS Middleware Platform | *Go, ScyllaDB, Kafka, Redis, SMPP*

Jan 2024

- Engineered a resilient **middleware service** to orchestrate high-volume **inbound SMS workflows** across multiple enterprise-grade clients.
- Streamlined **event-driven pipelines** using **Kafka** for message ingestion, enrichment, and secure proxy-based API dispatch.
- Devised a layered caching mechanism (*In-memory* → *Redis* → *ScyllaDB*) to enhance enrichment throughput and reduce latency by **40%**.

PeopleFirst - Talent Hiring Platform | *NodeJS, Express, MySQL, Redis, Kafka*

Sept 2023

- Transformed a legacy **monolith** into a modular **microservices-based system**, enabling independent deployments and scalable architecture.
- Reconstructed requisition, application, and interview pipelines, trimming **time-to-hire by 30%** and enhancing recruiter agility.
- Introduced **API versioning** to ensure backward compatibility, streamline feature rollouts, and standardize client-service integrations.

Technical Skills

Programming Languages - Go, JavaScript, C++

Backend Technologies - Node.js, Express.js, REST APIs, Microservices Architecture, SMPP

Databases & Storage - ScyllaDB, PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch

DevOps & Cloud - Microsoft Azure (DevOps), Kubernetes, GCS Bucket, Grafana

Streaming & Messaging - Apache Kafka

Development Tools - Git, Postman, VS Code

Education

Bachelor's Degree in Computer Engineering, GPA: 9.24/10

Aug. 2019 – June 2023

Savitribai Phule Pune University

Pune, Maharashtra