# Nagendra Kumar

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Noida, Uttar Pradesh, India

## Summary

Senior Software Engineer with 4.5+ years of experience building scalable distributed systems at Brevo. Expertise in Golang, Node.js, Apache Kafka, and Google Cloud Platform. Proven track record of handling high-volume systems (245M+ daily requests), implementing zero-downtime migrations, and optimizing performance. Core Value Champion recognized for technical excellence and collaborative problem-solving.

## Technical Skills

**Languages**: Go, Typescript, JavaScript, Python
**Technologies**: Node.js(Fastify, Express), Uber-dig, REST APIs
**Messaging/Queuing**: Apache Kafka, RabbitMQ, Google Pub/Sub
**Databases**: MongoDB, Cloud Spanner, MySQL, Redis
**Cloud & DevOps**: Microservices Architecture, Google Cloud Platform (GCP), Kubernetes, Docker, CI/CD, ArgoCD

## Professional Experience

**Senior Software Engineer** — January 2025 – Present
*Brevo* — *Noida, Uttar Pradesh, India*

- Architected and deployed custom Kafka routing solution that improved message consumption efficiency across 10+ microservices, reducing message duplicity and enhancing system error handling
- Proactive monitoring and incident resolution strategies to ensure system reliability
- Leveraged Uber-dig dependency injection framework to refactor Golang applications, improving code modularity and reducing build times by 25%
- Led technical design reviews and mentored junior engineers on distributed systems best practices

**Software Engineer** — January 2023 – December 2024
*Brevo* — *Noida, Uttar Pradesh, India*

- Maintained and optimized high-volume import engine processing 417 million daily operations with 99.95% data integrity, supporting critical business workflows for 500K+ customers
- Designed and implemented disaster recovery mechanisms using Google Cloud Spanner ensuring business continuity and data resilience
- Orchestrated zero-downtime migration of 5 critical services from legacy message queue to Apache Kafka, processing 1M+ messages daily while maintaining SLA compliance

**Associate Software Engineer** — July 2021 – December 2022
*Brevo* — *Noida, Uttar Pradesh, India*

- Developed and maintained critical HTTP service handling 245 million daily requests with p99 latency under 50ms, supporting real-time email delivery infrastructure
- Maintained official Ruby wrapper library for Brevo API, ensuring backward compatibility and implementing new features for 50K+ developer users
- Deployed a merging algorithm to optimize database storage, reducing redundancy and enhancing client experience

## Education

**Galgotias College of Engineering and Technology** — August 2017 – July 2021
*Bachelor of Technology in Computer Science and Engineering* — *CGPA: 8.62*

## Publications & Projects

**IEEE Publication**: Lead developer on Speech Emotion Recognition system using CNN, MFCC, and STFT
**Open Source**: quick-dev-setup - Automated developer onboarding tool with cross-platform AI capabilities

## Certifications & Awards

**Certifications**: Infosys Certified Software Programmer, Neural Networks and Deep Learning
**Recognition**: Core Value Champion at Brevo for demonstrating exceptional commitment to team success