

Gautam Raj

Senior Java Backend Engineer | Microservices | Distributed Systems

✉ gautamraj201011@gmail.com | 📍 Pune, India | 📞 +91-8143050838

🔗 [LinkedIn: linkedin.com/in/gautam-raj-a56277b6](https://www.linkedin.com/in/gautam-raj-a56277b6)

Professional Summary

Senior Java Backend Engineer with **9.5+ years** of experience designing and developing **high-performance, enterprise-scale microservices** for Telecom and Supply Chain domains. Proven expertise in **Java, Spring Boot, multi-threaded programming, and distributed messaging systems (Kafka, RabbitMQ)**. Strong background in system migration, performance optimization, and scalable backend architecture. Passionate about building resilient, high-throughput systems and mentoring development teams.

Technical Skills

Category	Technologies
Languages	Java 8+, SQL
Frameworks	Spring Boot, Spring Cloud, Spring MVC, Hibernate/JPA
Architecture	Microservices, Event-Driven Architecture, RESTful APIs, Distributed Systems
Middleware & Messaging	Apache Kafka, RabbitMQ , Event Streaming, Message Brokers
Databases	Oracle, MySQL , SQL Queries, Indexing, Performance Tuning
Multithreading	ExecutorService, CompletableFuture, Concurrent Collections, Thread Pools, Synchronization
Tools & DevOps	Git, Jenkins, Docker, IntelliJ IDEA, Eclipse, Postman, JUnit, Maven
Cloud & Platforms	AWS (basic exposure), Eureka (Service Discovery), Microservices Deployment

Professional Experience

Motorola Solutions

Senior Software Engineer | November 2021 – Present | Bangalore, India

- Led the migration of monolithic telecom systems to **distributed microservices architecture**, improving system scalability and fault tolerance.
- Designed and implemented **high-throughput, multi-threaded batch processors** handling over **2 million events/day** using **Kafka and RabbitMQ**.
- Developed **RESTful APIs** using **Spring Boot** to support real-time communication and billing operations for telecom clients.
- Optimized application performance by **40%** through thread pool tuning, database indexing, and query optimization.
- Integrated **Eureka** for service discovery and improved system resilience in a microservices ecosystem.
- Mentored 3 junior developers on best practices in microservices design, messaging patterns, and performance debugging.

Manhattan Associates

Senior Software Engineer | June 2019 – November 2021 | Bangalore, India

- Developed **microservices for the Supply Chain Receiving Module** using **Java 8, Spring Boot, and Hibernate**.
- Implemented **multi-threaded data ingestion pipelines** to process real-time inventory updates from global warehouses.
- Designed and optimized **Oracle and MySQL databases**, reducing query response time by **30%** through indexing and caching strategies.
- Built **REST APIs** to integrate with front-end and third-party logistics systems, ensuring seamless data flow.
- Collaborated with cross-functional teams in an **Agile/Scrum** environment to deliver features in 2-week sprints.

Tata Consultancy Services

Software Engineer | July 2016 – June 2019 | Bangalore, India

- Developed backend services for **Tata Sky's telecom and OTT platform**, supporting **millions of concurrent users**.

- Created **REST APIs** for user management, subscription billing, and real-time content delivery.
 - Built **multi-threaded batch jobs** for nightly report generation and data synchronization, improving processing speed by **50%**.
 - Worked extensively with **Oracle databases**, writing complex SQL queries, stored procedures, and optimizing performance.
 - Participated in full SDLC from requirement analysis to deployment and production support.
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Key Projects

Telecom Microservices Migration

Motorola Solutions | 2021–Present

- **Objective:** Migrate legacy monolithic systems to scalable, resilient microservices.
- **Tech Stack:** Java 11, Spring Boot, Kafka, RabbitMQ, Docker, Oracle, Eureka
- **Responsibilities:**
 - Designed event-driven communication using **Kafka for real-time streaming** and **RabbitMQ for task queues**.
 - Implemented **multi-threaded consumers** to handle high-volume message processing.
 - Achieved **99.9% system uptime** and improved throughput by **60%** post-migration.
 - Introduced monitoring and alerting for microservices using custom health checks and log aggregation.

Supply Chain Receiving Module

Manhattan Associates | 2019–2021

- **Objective:** Build a scalable receiving system for global supply chain operations.
- **Tech Stack:** Java 8, Spring Boot, MySQL, Hibernate, REST APIs, Jenkins
- **Responsibilities:**

- Developed microservices to handle real-time receiving, inspection, and stocking of inventory.
 - Used **thread pooling and concurrent processing** to manage high-volume transaction peaks.
 - Integrated with external warehouse management systems via **REST and messaging queues**.
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Education

Bachelor of Technology in Computer Science

Maulana Abul Kalam Azad University of Technology (MAKAUT) | 2016

Certifications & Training

- **Apache Kafka Fundamentals** (Confluent, 2022)
- **Spring Boot Microservices** (Udemy, 2021)
- **Java Multithreading & Concurrency** (Pluralsight, 2020)