

TUSHAR SHARMA

Software Engineer

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PROFESSIONAL SUMMARY

Backend Software Engineer specializing in scalable analytics platforms, distributed systems, and high-performance REST APIs using Java, Go, and Elasticsearch.

WORK EXPERIENCE

Software Engineer

Salescode.ai, Gurugram, Haryana

August 2024 – Present

- Collaborate with analytics and business teams to design KPI frameworks supporting performance tracking across multiple enterprise clients and large user hierarchies.
- Build and maintain backend analytics services using Java, MySQL, and Elasticsearch, processing high-volume KPI data across thousands of records daily for aggregation and reporting.
- Manage Jenkins pipelines to automate recurring KPI jobs, improving scheduling reliability and reducing manual operational effort by ~30–40%.
- Develop RESTful APIs for Manager and Supervisory applications, enabling KPI monitoring across multi-level organizational structures and large user bases.
- Optimize Elasticsearch queries and backend processing pipelines, improving KPI dashboard load times by ~20–30% and enhancing system responsiveness.

PROJECTS

Kafka Event Processing Platform (Java, PostgreSQL, Redis, Kafka, Prometheus, Grafana)

- Engineered an event-driven analytics system with 3+ core services (producer, consumer, monitoring layer) to process streaming events in real time.
- Implemented multiple Kafka producers and consumers with structured logging and observability dashboards using Prometheus and Grafana.
- Built scalable backend workflows supporting asynchronous event processing, message retries, and distributed system patterns.

Music Library API (Go, Gin, GORM, JWT)

- Developed a RESTful backend exposing 15+ API endpoints for users, albums, songs, and playlists with JWT-based authentication.
- Modelled 4+ relational entities and implemented many-to-many playlist relationships using GORM and PostgreSQL.
- Structured the application into routing, controller, middleware, and data layers, reflecting production-ready backend architecture.

TECHNICAL SKILLS

- Languages:** Java, Go (Golang), JavaScript
- Backend & Frameworks:** REST API Development, Gin, Spring Boot, JWT Authentication, Microservices Architecture
- Databases & Search:** MySQL, PostgreSQL, Elasticsearch
- Data & Messaging:** Apache Kafka, Real-time Event Processing, Analytics Pipelines
- Tools & DevOps:** Jenkins, Git, Docker, CI/CD Pipelines
- Frontend:** React, Next.js, Tailwind CSS
- Concepts:** Distributed Systems, KPI Analytics, Performance Optimization, Scalable Backend Design

EDUCATION

Bachelors of Technology in Information Technology

Guru Tegh Bahadur Institute of Technology

2021–2025