Tushar Sharma

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PROFESSIONAL SUMMARY

Full Stack Developer with expertise in **scalable APIs, high-performance systems, and distributed data processing**. Skilled in **Go, Java, React, and Elasticsearch**, with experience optimizing pipelines, improving data accuracy, and delivering reliable solutions at scale.

WORK HISTORY

Salescode.ai - **Software Engineer**
08/2024 - Current

- **Optimized Elasticsearch data pipelines and indexing strategies**, reducing query latency by **35%** and improving dashboard responsiveness for **100+ active users**.
- **Developed and maintained REST APIs** using **Java (Netty)**, enabling faster data retrieval and enhancing backend scalability across core business modules.
- **Collaborated with frontend and data teams** to integrate backend services, improving **data accuracy** and reducing processing delays in real-time analytics dashboards.
- **Implemented caching and performance-tuning strategies** with **Redis and Elasticsearch**, ensuring **low-latency access** to large-scale sales datasets.

PROJECTS

Go-Shell | *Go* **|** *Github*
- Built a **Unix-like shell** in Go with piping, I/O redirection, and command history.
- Used **os/exec and concurrency primitives** to manage system processes efficiently.

Music Library API | *Go, Gin, GORM, PostgreSQL, Swagger, JWT* · *Github* · *Live Demo*
- Developed a **REST API** with JWT-based role access and scalable CRUD in PostgreSQL.
- Added **fuzzy search** and Swagger UI for efficient retrieval and developer onboarding.

URL Shortener | *Go, Gin, SQLite* · *Github* · *Live Demo*
- Built a **URL shortening service** with RESTful APIs and SQLite persistence.
- Deployed a **lightweight, production-ready version** with low-latency redirects.

WEBSITES, PORTFOLIOS, PROFILES

- https://tushar27x-portfolio.vercel.app/

EDUCATION

07/2025
Guru Tegh Bahadur Institute of Technology
New Delhi

B.Tech: Information Technology

SKILLS

- **Languages:** Java, Go, SQL, JavaScript
- **Frameworks/Libraries:** Spring Boot, Gin, GORM, React
- **Databases/Storage:** PostgreSQL, Elasticsearch, Redis
- **Data & Analytics:** Elasticsearch Aggregations, KPI Computation, Real-time Pipelines
- **Soft Skills:** Problem Solving, Collaboration, Performance Tuning
- **Tooling & Workflow:** Git, GitHub, Postman, Docker, GitHub Releases, Agile/Scrum

CERTIFICATIONS

- **Advanced React** · Link
- **Principles of UI/UX** · Link
- **Next.js and React** · Link
- **Version Control** · Link
- **Programming with Javascript** · Link