

Shubham Gupta

Backend Software Engineer



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SUMMARY

Backend Engineer with 3+ years of experience in agile environments, specializing in scalable microservices, distributed systems, RESTful APIs, event driven designs, and cloud-native architectures. Proven expertise in backend development lifecycle from design to deployment.

EXPERIENCE

TEKION CORP | SOFTWARE ENGINEER

July 2024 – Present | Bangalore, India

- Built event-driven backend microservices with **Kafka** to process dealer-customer call recordings, enabling real-time transcription, summarization, and intent extraction, while improving scalability.
- Developed AI-powered communication pipelines using **Azure OpenAI LLMs** to summarize customer conversations and generate personalized emails, reducing email generation latency by **50%**.
- Designed a pre-aggregation pipeline to refresh daily summaries of dealer-customer interactions, balancing trade-offs between performance and personalization.
- Created a centralized **Prompt Configuration Platform Service** for LLM routing, supporting quota-based access control and traffic shaping for each dealer/project, ensuring reliability under high-volume workloads.

TIKET.COM | SOFTWARE ENGINEER

July 2022 – July 2024 | Noida, India

- Led the **Ferry Booking System** project — responsible for system design, backend development, cross-team integration, and end-to-end deployment of a new booking vertical.
- Optimized core APIs for **Order Management**, reducing response times by **50%** and improving UX for millions of transactions.
- Designed and built a **Golang microservice from scratch** using Domain-Driven Design to power frontend APIs and CRM integrations, ensuring modular and scalable architecture.
- Championed **CI/CD improvements** by integrating SonarQube and comprehensive unit testing, increasing backend service test coverage to **98%**.
- Improved **Discount Engine performance** by optimizing Elasticsearch queries, cutting query volume by 50% and response latency by 40%.
- Architected **Admin Dashboard 3.0**, building a modular system to onboard new product verticals with minimal backend changes.

PROJECTS

CACHE-SPRING | LINK

Java, Spring Boot, Rest APIs

- Designed and implemented a Spring Boot microservice, dedicated to caching data and offering REST API services.
- Implemented advanced caching techniques with custom **LRU** and **FIFO** eviction policies, demonstrating low-level design expertise.

SKILLS

CORE COMPETENCIES

Microservices Architecture
API Development
Event-Driven Systems
Database Optimization
Cloud Computing • Agile/Scrum
Methodologies
Performance Tuning • System Design
DevOps Practices

TECHNICAL SKILLS

Languages: Java, Python, Go/Golang, C++, C, SQL, Shell Scripting

Frameworks & Libraries: Spring Boot, FastAPI, REST APIs, gRPC

Databases & Storage: MongoDB, Redis, Elasticsearch, AWS S3, Google Cloud Storage

Tools & Infrastructure: Apache Kafka, Docker, Kubernetes, Git, CI/CD, Linux

Cloud Platforms: AWS, Google Cloud Platform (GCP), Azure

EDUCATION

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, LUCKNOW

BACHELOR'S IN INFORMATION TECHNOLOGY (B.TECH.)

July 2018 – June 2022 | Jhansi, India

Bundelkhand Institute of Engineering & Technology

ACHIEVEMENTS

2024: Top 2% on LeetCode (Highest Rating: 2152, Current Rating: 2069)

2022–23: Consistently ranked under 200 on CodeChef challenges

2021: Ranked 20 in CodeChef April Cook-Off Challenge

LINKS

Github: **shubham1908**

Leetcode: **gabbar9081**

Codechef: **shubhamg_9081**