Shivam Kumar Gupta

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SUMMARY

Backend Engineer with 2+ years of experience in building scalable microservices, secure REST APIs, and backend systems. Improved downtime by **30%**, boosted response time by **40%**, and delivered systems handling **100K+ monthly API calls**. Expertise in **Spring Boot, Spring Security, Microservices, Docker, and MySQL**. Focused on building highly available, secure, and distributed backend systems.

EXPERIENCE

Software Engineer

KSVSoftech   **May 2024 - Present，Indore, MP**

- Built production-grade microservices improving downtime by **30%** using Spring Boot and Docker.
- Designed wallet and transaction services achieving **25% performance gain** under peak load.
- Implemented secure authentication using JWT + OAuth2, protecting **10,000+ multi-tenant users** with **95% reduction in unauthorized access attempts**.
- Optimized SQL queries and caching mechanisms reducing DB hits and improving latency by **40%**.
- **Improved service reliability by 50%** by implementing **circuit breaker, retry, and timeout patterns** using Resilience4j across critical microservices.
- Facilitated sprint planning and backlog prioritization achieving **100% sprint delivery**.

Junior Software Engineer

KSVSofttech   **November 2023 - May 2024，Indore, MP**

- **Designed and delivered 15+ REST APIs** with scalable service-layer architecture, increasing request throughput by **25%** and improving service response stability.
- **Implemented JWT + RBAC-based security** across APIs, reducing unauthorized access incidents by **30%** and strengthening compliance for multi-tenant use cases.
- **Refactored JPA entities and repositories**, reducing redundant DB operations and improving query execution times by **20–25%**.
- **Optimized SQL queries and DTO mappings**, reducing API latency by **20%** and boosting overall response consistency during peak hours.
- **Built reusable validation and custom exception frameworks**, cutting recurring defects by **35%** and improving maintainability across modules.

Intern - Software Engineer

Ypsilon IT Solutions   **December 2022 - June 2023，Indore, MP**

- **Developed CRUD REST APIs** using Spring Boot and Hibernate, improving backend reliability by 30% and simplifying integration for client modules.
- **Implemented modular repository and service layers**, enhancing code maintainability and reducing refactoring effort by **25%**.
- **Strengthened backend validation and data integrity**, lowering data-related defects by **30%** across multiple services.
- **Diagnosed and resolved production issues**, improving uptime and application stability by **20%**.
- **Documented backend workflows and API specifications**, reducing onboarding time for new team members by **40%**.

PROJECT

Customize Wallet

KSVSofttech • July 2025 - Present

- **Implemented OAuth2-based authentication and authorization**, enabling secure access for **10,000+ multi-tenant users** with < **1% login-related failure rate**.
- **Designed and integrated Wallet, User, and Transaction services**, ensuring **real-time sync** and reducing inter-service communication failures by **~40%**.
- Achieved **99.9% transaction accuracy** by enforcing **validation rules, transactional boundaries**, and **data integrity logic**, reducing rollbacks and dispute cases by **~35%**.
- **Configured retry and circuit breaker patterns** (Resilience4j), improving service reliability and **reducing downtime incidents by 60%** during peak hours.
- **Optimized SQL queries**, boosting **API response time by 35%** and reducing DB load by **~45%** during peak traffic.
- **Performed API integration and regression testing**, identifying **20+ critical issues pre-production**, increasing overall **system stability and debugging efficiency by 30%**.

EMS(Education Management System)

KSVSofttech • ksv.ktrcskill.com • July 2024 - June 2025

- **Handled 100K+ monthly API requests** with concurrency-safe services, maintaining **<200ms average response time** even at peak traffic.
- **Designed 20+ domain models (JPA/Hibernate)** enabling modular workflows for **admission, attendance, fees and reporting**, increasing development speed by **30%** for new features.
- **Implemented RBAC security** for **5+ user roles (Admin/Teacher/Student/Parent/Accountant)** ensuring **zero unauthorized access incidents** during audits.
- Optimized MySQL queries & indexing, reducing response latency by **40%**, improving performance under **5x concurrent user load**.

- Built **reusable shared service components**, reducing duplicate code by **~60%** and cutting new feature delivery time from **2 weeks → 5 days**.
- Designed scalable transaction logging, enabling **traceability across 100% of financial operations (fees & refunds)**.

HWForces (HRMS)

KSVSofttech • hwforces.com • November 2023 - June 2025

- Developed and maintained **30+ scalable REST APIs** for attendance, employee management, chat, and events, achieving **99.4% uptime**.
- **Designed scalable domain models** for attendance, events and workflow entities, reducing major refactors by **40%** during new feature releases.
- **Implemented an internal real-time chat messaging service**, enabling secure communication between employees and HR; boosted cross-team collaboration by **35%** and reduced Slack/email dependency by **25%**.
- **Developed and delivered Employee Analytics Dashboard** used by **100+ HR users**, improving decision-making time by 30%.
- **Architected Event Management module** for internal activities, automations and approvals; increased event participation visibility by **50%**.
- **Optimized database performance** (indexing + caching + pagination), reducing average API response time from **450ms → 160ms** and cutting **redundant DB hits by 45%**.

EDUCATION

Master of Computer Applications

Patel College of Science & Technology, Indore • Indore, MP • 2025

Bachelor of Science

Government Holkar Science College • Indore, MP • 2022

CERTIFICATIONS

Certificate of Accomplishment Software Engineer

HackerRank • 2025

Certificate of Accomplishment JavaScript(Basic)

HackerRank • 2025

Certificate of Accomplishment Java (Basic)

HackerRank • 2023

Certificate of Accomplishment Rest API(Intermediate)

HackerRank • 2023

Certificate of Accomplishment SQL(Basic)

HackerRank • 2022

SKILLS

Backend Development: Java, Spring Boot, Spring MVC, Microservices, REST API Architecture
Security & Authentication: Spring Security, JWT, OAuth2, RBAC, Secure Token Handling, Validation
Database & ORM: MySQL, JPA, Hibernate, Query Optimization
Software Engineering Principles: Multithreading, Collections Framework, Clean Code, Debugging & Root Cause Analysis