Anupam Kushwaha

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Entry-level Backend Java Developer • Java 8+, JDBC, MySQL • Spring Boot (learning) • Clean code and testing mindset

Summary

Final-year Computer Science student specializing in backend Java development, with a strong foundation in building scalable and reliable systems. Experienced in designing multi-tier applications, implementing data integrity and logging mechanisms, and developing event-driven architectures. Skilled in Java, SQL, PostgreSQL, Git, and currently expanding expertise in the Spring ecosystem (Spring Boot, JUnit) to deliver efficient, test-driven backend solutions.

Education

B.Tech in Computer Science & Engineering 2022–2026
Vikrant Institute of Technology & Science (VITS), Satna, MP — CGPA: 7.2/10
Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV)

Skills

Languages: Java (Core, 8+ Streams, Optional), SQL, PostgreSQL, HTML, CSS, JavaScript
Backend: JDBC (incl. Metadata API), HikariCP, Servlet, JSP, JSTL, REST fundamentals, Spring Boot (learning)
Databases: MySQL (hands-on), PostgreSql (hands-on), MongoDB (learning)
Testing/Quality: Unit Testing, Integration Testing, Error Handling & Logging, JUnit 5, Mockito, H2 Database
Tools: Git/GitHub, IntelliJ IDEA, Eclipse, VS Code
CS Fundamentals: Object-Oriented Programming (OOP), Collections, Data Structures, Algorithms

Projects

Student Management System 2025
Technologies: Java, JDBC, MySQL, JSON, Collections, Logging — GitHub Repository

- Engineered a scalable student management platform by migrating from JSON-based storage to a normalized JDBC/MySQL backend.
- Implemented secure query execution using `PreparedStatement` and centralized database connectivity with a singleton design.
- Added robust validation, exception handling, and structured logging for improved reliability and traceability.

Event-Driven System (Transactional Outbox Pattern) 2025
Technologies: Java, PostgreSQL, n8n, JSON — GitHub Repository

- Developed an event-driven architecture ensuring atomicity and guaranteed event delivery using the Transactional Outbox Pattern.
- Integrated PostgreSQL with n8n to automate event publishing and achieve reliable, asynchronous communication between services.
- Designed a fault-tolerant data flow to prevent event loss during network or service failures.

Indian Traveller (Dynamic Tourism Website) 2023
Technologies: PHP, HTML, CSS, JavaScript, SQL

- Built a dynamic, responsive tourism platform with user authentication, destination search, and booking management features.
- Implemented a PHP-based backend with SQL integration to manage content, user data, and transactional operations.

Certifications

Programming in Java (NPTEL) — Score: 90% 2025
Java with Data Structures & Algorithms (NPTEL) — Score: 71% 2024

Coursework & Professional Development

- **Core Java & OOP:** Java 8 Streams/Lambdas, Collections, exception handling, concurrency basics
- **Database Management:** JDBC connectivity, transactions, optimized SQL (joins, views, indexing) in MySQL
- **Current Focus:** Spring Boot REST APIs, dependency injection, unit testing with JUnit/Mockito; exploring MongoDB
- **AI-Assisted Development:** Adept at using modern AI tools to accelerate learning, streamline development, and debug code efficiently

Additional

Languages: Hindi (Native), English (Fluent)
Interests: Competitive problem solving, learning new technologies, travelling