

Sarthak Bajpai

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Backend-focused Software Engineer with experience building scalable enterprise applications using Java, Spring Boot, microservices, Kafka, and REST APIs. Passionate about designing high-performance distributed systems, workflow automation, and real-time event-driven solutions.

Skills

Languages: Java, JavaScript, Node.js, HTML, CSS, TypeScript

Frameworks: Spring Boot, Spring Security, JAX-RS, Express.js, AngularJS, jQuery

Databases: PostgreSQL, MySQL, MongoDB, Redis

DevOps & Tools: Docker, Kafka, Redpanda, Git, GitHub, GitLab, Maven, JDBC, Hibernate, JPA, JUnit, Mockito, Jest, Supertest, pgAdmin, Eclipse, IntelliJ IDEA, VS Code, Ubuntu, Linux, BullMQ, CI/CD

Concepts: Microservices, REST APIs, SOLID Principles, Design Patterns, Low-Level Design, Multithreading & Concurrency, Event-Driven Architecture, Scalability, JSON

Work Experience

Enbraun Technologies, Jaipur

Dec 2023 – Present

Software Engineer

- Developed and maintained enterprise-grade backend applications using Java (JAX-RS) and Spring Boot for scalable, high-volume business systems.
- Designed and implemented an **Email Microservice**, offloading email processing from the core backend and improving application scalability and maintainability.
- Built a real-time **In-App Notification Service** (bell notifications) to instantly notify users of system events and business actions.
- Developed **Slack integration** enabling users to receive notifications directly through Slack DMs and channels, improving workflow automation.
- Optimized legacy SQL queries and application logic, significantly reducing execution time and improving overall system performance.
- Designed and integrated REST APIs with JIRA and third-party platforms (BQE, ERS), reducing manual effort through workflow automation.
- Implemented event-driven communication using Kafka and Redpanda to support reliable asynchronous processing across distributed services.
- Created and maintained automated integration test suites using Jest and Supertest, improving release quality and reducing regression issues.

Education

Master of Computer Applications (MCA)

2025 – Present

Amity University, Noida

- Specializing in software engineering, AI, ML, Distributed Systems, Cloud Computing, Algorithms.

Bachelor of Business Administration (BBA)

2019 – 2022

Indian Institute of Tourism and Travel Management

- Focused on business strategy, analytics, and leadership.

Project Work

Covid Vaccine Booking Service

Java, Spring Boot, MySQL, Hibernate, JPA, RESTful API, Spring Security

- Built a secure vaccine booking platform enabling users to register and schedule vaccinations via mobile using RESTful APIs.
- Developed the registration module using JPA with seamless database interaction through Hibernate and MySQL.
- Collaborated with a team of 4 to complete the project in 5 days, following agile development practices and modular architecture.

Certificates

Full Stack Web Development (Full-Time)

2022 – 2023

Masai School, Bengaluru

- Intensive training in full-stack development, DSA, and scalable software engineering.