

KUSH KUMAR

Java Full Stack Developer

Mobile: +91 9380803823. E-mail: kushkrsingh9094@gmail.com Address: Bengaluru, India

Java Full Stack Developer with 4+ years of experience in building secure, scalable applications using Spring Boot, Spring MVC, and Microservices. Proficient in RESTful API development, MySQL and Git. Strong understanding of SDLC, Agile methodologies, and CI/CD processes. Adept at writing clean, maintainable code and collaborating with cross-functional teams to deliver efficient, high-performance backend solutions aligned with business goals.

PROFESSIONAL SUMMARY

- Expertise in RESTful API development and CRUD operations using MySQL .
- Hands-on experience deploying cloud-based applications on AWS (EC2, S3), leveraging Agile and Scrum methodologies.
- Strong foundation in Core Java, including Multithreading, File I/O, Generics, and Collections Framework.
- Integrated third-party APIs such as WhatsApp, SMS, Email, PDF generation, and Payment Gateways (Stripe, PayPal).
- Proficient with Git, GitHub, Maven, JUnit, Postman, and experienced in CI/CD workflows.
- Delivered high-impact solutions in the hotel industry by leveraging predictive analytics and real-time data visualizations to optimize occupancy forecasting, enhance guest experiences, and streamline operational efficiency.
- Awarded for innovation, client excellence, and engineering leadership.
- Performance-focused developer with experience in Hibernate, Ehcache, and Redis for caching and optimization.

CORE COMPETENCIES

Backend Development,

API Design & Implementation,

Database Management,

Cloud Deployment

SKILLS

- **Programming Languages:** Java 8, java17
- **Scripting & Markup:** HTML, CSS, JSON, REACT-JS
- **Frameworks:** Spring Boot, Spring MVC, Spring Security, Hibernate JPA, JDBC, REST API
- **Core Technical Skills:** OOPs, Core Java, Collections, Design Patterns, Multithreading, Generics, Maven, Agile, Kafka
- **Architecture Styles:** Monolithic, Microservices
- **Security:** Spring Security, JWT
- **Databases:** MySQL
- **Cloud & DevOps:** AWS (EC2, S3), Docker
- **Tools & IDEs:** IntelliJ IDEA, Eclipse, STS, Visual Studio, Git, GitHub, JIRA, Postman, Swagger
- **Testing:** Junit

WORK EXPERIENCE

Software Engineer

Capillary Technologies (Bangalore, India) (Jun 2021- Present)

- Engineered robust and scalable applications utilizing Spring Boot, Spring MVC, Spring Data JPA, Spring Security, and JWT tokens for user authentication.

- Designed and implemented RESTful APIs using JSON data, ensuring seamless data exchange and optimal performance.
- Developed dynamic and responsive user interface using React.js ensuring optional user experience devices and screen sizes.
- Integrated Frontend modules with backend API using Axios for seamless real-time data exchange.
- Implemented core user-facing features, including room booking workflows, availability search, and personalised user dashboards.
- Leveraged Hibernate and JPA for efficient ORM, implementing effective exception handling and database optimization strategies.
- Configured Kafka producers and consumers with fault tolerance and exactly-once delivery to prevent data loss and duplication in critical hotel reservation workflows.
- Utilized Git and GitHub for version control, fostering collaborative development and efficient code management.
- Employed Maven for optimized project builds and dependency management, streamlining the development process.
- Conducted unit testing using JUnit and API testing using Postman, ensuring the delivery of well-tested and high-quality applications.
- Deployed applications on AWS Cloud with a focus on scalability and high availability, ensuring optimal performance and reliability.
- Integrated external APIs such as WhatsApp, SMS, email services, and PDF generation tools to enhance application functionality and user experience.

EDUCATION

Master of Computer Applications

Sachchidanand Sinha College, Aurangabad, Magadh University

PROJECTS

Hotel Management System

- Developed backend modules using Java, Spring Boot, and Microservices architecture.
- Implemented user authentication, registration, login, and OTP-based validation.
- Built profile management and user role-based access features.
- Designed hotel search, room booking, and booking management functionalities.
- Created admin panel to manage users, hotels, rooms, and bookings.
- Integrated payment gateway for secure transactions.
- Generated booking confirmation PDFs using the iTextPDF library.
- Implemented email notifications for booking confirmations and password recovery.
- Developed user reviews and ratings module for hotels.
- Ensured data validation using Spring Boot's validation framework.
- Optimized codebase using Lombok annotations and ModelMapper.
- Tested APIs using Postman and created API documentation for frontend teams.
- Resolved bugs and collaborated with QA for quality assurance.
- Currently working on integrating a cab reservation module for hotel guests.

ACHIEVEMENTS

- Awarded 'Employee of the Month' for exceptional performance, timely project delivery, and exceeding expectations in full-stack application development.
- Received 'Best Innovator Award' for architecting and implementing secure, scalable, high-performance solutions that significantly enhanced overall system efficiency and stability.
- Honored with 'Client Excellence Award' for outstanding customer support, proactive resolution of critical production issues, and ensuring smooth execution of client-facing projects.