

SAJAN KUMAR SAHU

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Profile Summary

Aspiring software developer specializing in backend development, skilled in building reliable server-side systems and managing databases for optimal performance. Works well in team environments, ensuring clear communication and smooth collaboration. Organized and systematic, focused on delivering efficient and user-centric solutions.

Technical Skills

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|---------------|--------------|----------------|---------|
| • Java | • REST API | • Docker | • JUnit |
| • Spring Boot | • PostgreSQL | • Git & GitHub | • Linux |

Academic Projects

InnSpiration – Hotel Booking & Management System

January 2025 – April 2025

- Developed a scalable full-stack hotel booking platform using React.js, Spring Boot, AWS, ensuring 99.9% uptime and supporting 5,000+ concurrent users.
- Implemented **digital guest verification**, reducing manual check-in time by 70%, and enabled **real-time price negotiation**, increasing booking conversions by 25%.
- Integrated **secure payment gateways**, reducing transaction failures by 30%, and enhanced system reliability through efficient logging and event-driven processing.

Service Ahead – Appointment Booking System

November 2024 – December 2024

- Designed and implemented a Spring Boot-based system, facilitating 100+ daily service bookings at nearby centers, enhancing user convenience and operational efficiency.
- Incorporated robust authentication and authorization using Spring Security, achieving 99.9% security compliance.

Employee Matrix – Employee Management System

September 2024 – October 2024

- Built a Spring Boot-based Employee Management System enabling HR teams to manage data for 500+ employees, improving operational efficiency by 30%.
- Designed a responsive user interface and implemented CRUD operations with a relational database, achieving 99.5% accuracy in data processing and reducing manual errors by 25%.

Educational Qualifications

Master of Computer Applications

July 2023 – May 2025

Chandigarh University

Bachelor of Science

August 2019 – June 2022

Government Autonomous College, Rourkela

Relevant Certifications

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| • Spring Boot Framework Coding Shuttle | March 2025 |
| • Postman API Fundamentals Student Expert Postman | February 2025 |
| • DSA with Java Apna College | January 2024 |