

Sachin Sharma

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SUMMARY

With 3+ years of experience, I specialize in design, integration, and problem-solving. I quickly adapt to new technologies, prioritize cost efficiency and code quality, and translate business needs into technical solutions for successful project delivery.

EDUCATION

PUNJABI UNIVERSITY, PATIALA

MSc IN INFORMATION TECHNOLOGY

July 2022 | CGPA: 8.167

PUNJABI UNIVERSITY, PATIALA

BCA

July 2020 | CGPA: 7.01

TECHNICAL SKILLS

PROGRAMMING

Java • TypeScript • JavaScript / Node.js
• SQL • PL/SQL • HTML5 • CSS3

FRAMEWORKS

Spring Boot • J2EE • Servlet / JSP
• Express.js • React.js • Next.js

DATABASES

Oracle • MySQL • SQLite • MongoDB
• Redis

AWS SERVICES

Lambda • Batch • SQS • SNS • S3 • EC2
• DynamoDB • OpenSearch / Kibana

FAMILIAR

Unix / Linux • Android with Java
• MongoDB • XML • JSON • Grafana

PROJECTS

TECH BLOG | Java JSP Servlet

GitHub: semantic-void/Projects

STORYBOOKS | MERN, Google Oauth

Live: storybooks.com

GitHub: semantic-void/StoryBooks

CERTIFICATIONS

Spring framework with Spring boot

By Telusko | November 2022

EXPERIENCE

ALGO DOMAIN SOLUTIONS | PUNE, MAHARASHTRA

SR. SOFTWARE ENGINEER

July 2022 | July 2025

- Developed core components of a version management system using event-driven architecture, contributing throughout the development lifecycle as a Java developer.
- Developed and optimized an Airline Reservation System using Java, Spring Boot, Node.js, TypeScript, AWS, OpenSearch, and Grafana.
- Created a version migration tool for the banking sector, featuring automated dependency updates and Git operations, using Java Spring Boot, Maven, OpenRewrite, TypeScript, Next.js, and Next UI.

ACHIEVEMENTS AND CONTRIBUTIONS

- Reduced costs by 20% through log optimization and eliminated 80% of redundant flight logs in AWS OpenSearch.
- Optimized Redis caching architecture and documented improvements with detailed analytics.
- Increased bookings by 10% through the integration of new airline partnerships and round-trip features.
- Implemented key modules of a version management system leveraging event-driven architecture.
- Developed a Java Spring Boot Lambda and Batch for an ETL (Extract, Transform, Load) process, enabling seamless data transfer from OpenSearch to PostgreSQL, improving data accessibility and analysis efficiency.
- Developed and worked on Java and TypeScript Lambdas for flight booking, from search to reservation, enhancing user experience and performance.
- Thoroughly examined the caching architecture with a focus on optimization and reverse engineering, providing clear insights for higher management through detailed reports and charts.
- Upgraded international flight booking system to stay competitive.
- Enhanced international flight booking system for improved market competitiveness.
- Designed a version migration tool that seamlessly transitions dependencies and code, catering to both front-end and back-end needs.
- Conducted investigations into unusual claims, cases, and incidents, implementing fixes when issues were identified on our end.