

SANGRAM SARKAR

JAVA DEVELOPER

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BIDHANGARH, KOLKATA

OBJECTIVE

Passionate **Java Developer** with expertise in **Spring Boot microservices architecture**, **distributed systems design**, and **cloud-native applications**. Proven track record in building **scalable backend systems** with **high-performance databases** and **event-driven architectures**. Strong **analytical problem-solving skills** with **200+ competitive programming solutions** and experience in **agile development methodologies**. Seeking to leverage my **technical leadership abilities**, **system design expertise**, and **collaborative teamwork approach** to contribute to innovative software solutions in a dynamic development environment.

EDUCATION

June 2028	Bachelor of Technology in Computer Science and Engineering <ul style="list-style-type: none">Techno International Batanagar SGPA: 8.2/10.0Relevant Coursework: Data Structures, Algorithms, Database Management, Software Engineering
May 2025	Diploma in Computer Science and Technology <ul style="list-style-type: none">The Calcutta Technical School OGPA: 8.7/10.0Relevant Coursework: Advanced Programming, System Architecture, Network Technologies

PROFESSIONAL PROJECTS

1. BookMyShow Backend Service | *Movie Booking Platform*

Technology Stack: Spring Boot, Hibernate, MySQL, Redis, Elasticsearch, Stripe, AWS Elastic Beanstalk

a. Built **complete movie booking system** with seat reservation and payment integration

b. Implemented **concurrency-safe booking** with optimized caching and auto-scaling deployment

c. Achieved **comprehensive testing** with automated CI/CD pipeline
2. IRCTC Ticketing System | *Microservices Architecture*

Technology Stack: Spring Cloud Gateway, Eureka Service Discovery, Kafka, MySQL, Cassandra

a. Designed **scalable microservices** with User, Booking, Payment, and Notification services

b. Implemented **SAGA-based distributed transactions** and event-driven architecture

c. Configured **database sharding** and disaster recovery mechanisms
3. Parking Lot Management System | *System Design Project*

Technology Stack: Java, Design Patterns (Factory, Strategy), JUnit, Mockito

a. Applied **SOLID principles** with comprehensive UML documentation

b. Developed **dynamic slot allocation** for multiple vehicle types with optimization algorithms

c. Achieved **90%+ test coverage** with performance benchmarking

TECHNICAL EXPERTISE

PRIMARY SKILLS

- Programming Languages:** Java (Advanced), Python (Intermediate), C (Intermediate)
- Enterprise Frameworks:** Spring Boot, Spring Cloud, Spring Security, Hibernate ORM/JPA
- Database Technologies:** MySQL (Advanced), Redis Caching, Elasticsearch
- System Architecture:** Microservices Design, RESTful API Development, Event-Driven Architecture
- Cloud & DevOps:** AWS Services (EC2, RDS, Elastic Beanstalk), Docker Containerization
- Message Queuing:** Apache Kafka, Distributed Messaging Systems
- Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming, Design Patterns

SECONDARY SKILLS

- Databases:** Cassandra (NoSQL), Advanced Database Optimization
- Additional Frameworks:** Spring Cloud Gateway, Eureka Service Discovery
- Authentication:** OAuth2, JWT Token Management
- Testing Frameworks:** JUnit, Mockito, Integration Testing
- Development Tools:** Git Version Control, Linux Command Line, MVC Architecture
- Soft Skills:** Team Leadership, Project Planning & Execution, Technical Communication, Agile Methodologies

CERTIFICATIONS & HONORS

- HackerRank Java Programming Certificate** | *Intermediate Level*
- Competitive Programming Excellence:** 200+ Problems Solved (CodeForces, LeetCode)
- Algorithm Design Proficiency:** Top 15% in coding competitions
- Technical Leadership:** NCC Cadet (2020-2022) - Leadership Development & Team Management