

# SHISHIR KUMAR DAS

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## Professional Summary

Backend Engineer with 3+ years of experience building high-performance, scalable enterprise systems using Java/Spring Boot. Expert in REST API development, real-time data processing, payment integrations, intelligent automation, and fintech solutions. Passionate about blockchain, AI agents, and next-generation distributed systems.

## EXPERIENCE

### NJBL(SB Group)

January 2026 — Present

*Software Developer*

- Designed and developed scalable microservices for retail, housing, and manufacturing domains using Java and Spring Boot
- Built large-scale platform managing customer master data, cashback systems, payments, and advanced reporting
- Implemented JWT authentication and RBAC for secure, role-based enterprise access control
- Integrated bKash Payment Gateway, Twilio, and automated Excel-based reporting & disbursement pipelines
- Optimized database schemas with Hibernate/JPA and managed complete API lifecycle (dev to production)

### Quantsys (USA)

February 2023 — November 2025

*Junior Java Developer (Remote)*

- Developed and maintained backend services for electricity market data platforms and real-time weather data systems
- Designed and implemented schedulers for real-time data extraction, job execution, and automated workflows
- Configured and supported AI-powered jobs and optimization processes in the Backoffice & Optimizer team
- Built monitoring dashboards using Grafana for system performance and data accuracy tracking
- Handled application configuration, deployment pipelines, technical documentation, and production releases
- Collaborated with cross-functional teams to ensure data validation and business requirement alignment

## SKILLS

- **Backend Development:** Spring Boot, RESTful API Development, Microservices, Spring Security, JWT Authentication
- **Software Development:** Object-Oriented Programming (OOP), MVC Architecture, API Integration
- **Data & Storage:** Hibernate/JPA, PostgreSQL, MySQL, MongoDB, Redis, Caching & Optimization
- **Fintech & Transactions:** Payment Gateways (bKash, Stripe), Financial Workflows, Cashback Systems, Reconciliation
- **Project Management:** Agile, Scrum, Kanban, Sprint Planning, Backlog Management, Requirements Analysis, Team Collaboration, Task Prioritization, Risk Management
- **Real-time & Data Engineering:** WebSockets, Kafka, Redis Pub/Sub, Schedulers, Web Scraping (Scrapy, Selenium)
- **Observability & DevOps:** Render, Vercel, Grafana, Docker, CI/CD, Monitoring, Excel Automation, Git, GitHub, Maven, Docker, Postman

## PROJECTS

### SB-IMS — Integrated Business Management System

January 2026

Enterprise platform centralizing inventory, sales, CRM, cashback engine, payment processing (bKash), call system, and automated Excel generation for master data, cashback, and disbursement.

### RECS-SHREYOSHI — E-commerce Management System

December 2025

Complete backend solution for customer orders, purchase management, payments, and admin product operations.

## EDUCATION

Brac University, Dhaka, Bangladesh

January 2019 — January 2022

Bachelor of Science in Computer Science (*Honors*)

- E-Game Development Instructor (RS Activity, 2022–Present)
- Assistant Director, BRAC University Computer Club (Panel 2021–22)

## Courses

- Agile Project Management, IBM
- PHP with Laravel Framework, BITM Bangladesh
- Cross Platform Game Development (ICT Ministry)