

# Shibashis Dey

 +91-8017447627  shibashis.dey5@gmail.com  LinkedIn  GitHub  Portfolio

## Professional Summary

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Software Engineer with 2+ years of experience building scalable banking and fintech applications using Java, Spring Boot, and Apache Kafka. Experienced in microservices architecture, event-driven systems, REST API design, Kubernetes deployments, and production observability using Grafana, Prometheus, Kibana, and Elasticsearch. Strong background in debugging distributed systems and ensuring transactional integrity in high-volume environments.

## Technical Skills

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**Programming Languages:** Java (8+), Python, SQL, JavaScript

**Backend Technologies:** Spring Boot, Spring MVC, Spring Core, Hibernate, RESTful APIs, Microservices, Apache Kafka, Maven

**Frontend Technologies:** AngularJS, ReactJS, HTML, CSS

**Databases:** MySQL, Oracle SQL, MongoDB, H2, PL/SQL

**DevOps & Cloud:** Kubernetes, Jenkins, CI/CD Pipelines, Git, GitLab, AWS

**Monitoring & Observability:** Grafana, Prometheus, Kibana, Elasticsearch

**Concepts:** OOP, Design Patterns, Exception Handling, Distributed Systems, Event-Driven Architecture, Data Structures

## Work Experience

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### Software Engineer, CGI – Bangalore

*July 2023 – March 2025*

- Designed and developed scalable Java Spring Boot microservices for high-volume banking payment systems handling transactional workflows and data validation.
- Implemented Apache Kafka-based asynchronous communication to support event-driven transaction processing and notification workflows.
- Worked on Angular-based UI enhancements and integrated REST APIs with Spring Boot backend, performing cross-layer debugging across frontend, backend, Kafka, and database layers.
- Performed production log analysis using Kibana and Elasticsearch and monitored application metrics via Grafana and Prometheus to identify bottlenecks and reduce incident resolution time.
- Improved exception handling, structured logging, and observability mechanisms to enhance system reliability.
- Deployed containerized applications in Kubernetes environments using Jenkins CI/CD pipelines for reliable production releases.
- Wrote optimized SQL queries and performed database validations to maintain transactional integrity.
- Created technical documentation covering API contracts, architecture flows, and troubleshooting guides.
- Participated in Agile ceremonies including sprint planning, backlog grooming, and retrospectives.

### Intern, HighRadius

*Jan 2022 – April 2022*

- Trained and evaluated machine learning models for financial data processing and workflow optimization.

## Projects

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### Student Record Management System

- Designed and developed a RESTful backend application using Spring Boot following layered architecture (Controller–Service–Repository pattern).
- Implemented CRUD operations with H2 in-memory database and ensured data validation and exception handling.
- Integrated Swagger for API documentation and testing, demonstrating clean API design principles.
- Tools: Spring Boot, H2 Database, Swagger, Maven.

### Mental Health Counselor Booking Platform

- Built a full-stack appointment booking system enabling users to schedule sessions with counselors through a responsive Angular frontend.

- Developed secure REST APIs with Spring Boot and implemented authentication, scheduling logic, and database schema design.
- Managed relational and NoSQL data storage using MySQL and MongoDB for user profiles and session tracking.
- Tools: Spring Boot, Angular, MySQL, MongoDB.

#### **AI-Enabled Fintech B2B Cloud Application**

- Developed backend services using Python and Java Servlets to support financial workflow automation in a B2B environment.
- Built dynamic ReactJS components and integrated REST APIs to process and display real-time business data.
- Designed modular components to ensure scalability and separation of concerns across frontend and backend layers.
- Tools: Python, Java Servlets, ReactJS.

#### **Education**

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**Kalinga Institute of Industrial Technology**

*B.Tech – 8.21 CGPA*