

SOUBHAGYA MOHAPATRA

Bhubaneswar, Odisha

☎ +91-8270857807 ✉ soubhagyamohapatra.bbsr@gmail.com [in linkedin.com/in/soubhagya](https://www.linkedin.com/in/soubhagya) github.com/soubhagya

Profile Summary

- Proven expertise in designing and developing scalable backend systems using Java, Spring Boot, and Hibernate, ensuring high performance and reliability.
- Skilled in building RESTful APIs and microservices, optimizing database interactions with SQL, MySQL, and PostgreSQL for efficient data management.
- Experienced in cloud platforms (AWS, Azure), deploying and maintaining applications while ensuring security, scalability, and cost-efficiency.
- Adept at debugging, performance tuning, and frontend-backend integration, collaborating with cross-functional teams to deliver secure, well-documented solutions.

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Generative AI
- Concurrent Programming
- Design Patterns
- Database Systems
- Microservices
- Cloud Computing

Experience

Cognizant Technology Solutions

August 2022 – Present

Software Engineer

Bhubaneswar, Odisha

- Designed a **JWT/OAuth2** hybrid auth system using Spring Boot, Spring Cloud Gateway, and Redis, securing multiple microservices with rate limiting (**1000 RPS/IP**) and token revocation, reducing security breaches by **65%**.
- Applied **CQRS** pattern principles to segregate user profile read/write operations, leveraging Spring Boot and Redis caching for queries, reducing read latency by **60%** (from 120ms to 50ms P99) while maintaining transactional consistency for writes.
- Implemented Kafka event sourcing for real-time user data sync across services (**200+ events/sec**) and Eureka Discovery for dynamic scaling, achieving **99.99%** uptime under **10K+ RPS** loads.

Junior Software Engineer

- Engineered a Spring Boot microservice using **Bulkhead pattern** to isolate 10+ facility queues, enabling async parallel processing of **1,000+** transactions/minute with **99.98%** uptime and zero cross-queue starvation.
- Architected Circuit Breaker pattern (**Resilience4j**) with exponential backoff retries, slashing API failures **60%** while sustaining **500+** records/sec at **sub-1%** error rate.

Software Engineer Trainee

- Developed a Spring Batch application with multi-threaded CSV processing and **JDBC** batching, optimizing Oracle DB MERGE operations to achieve **40%** throughput improvement for NDC management records.
- Integrated SonarQube static analysis into GitLab CI/CD pipeline, enforcing code quality gates while maintaining zero-downtime deployments of the batch processing service.

Projects

ShopEasy Backend Application | *Spring Boot 3.3, JWT, Razorpay* | [Source](#)

January 2024

- Developed scalable e-commerce backend with secure REST APIs (JWT/RBAC) and Razorpay integration. Automated API documentation via OpenAPI 3.0.

Email Writer Assistant | *Spring Boot, Gemini AI, REST APIs, SLF4J* | [Source](#)

April 2025

- Built AI-powered email generator with Gemini API integration. Created companion browser extension with DOM manipulation for Gmail.

Technical Skills

Languages: Java, SQL, JavaScript, Python

Developer Tools: VS Code, IntelliJ, Git, GitHub, JIRA, Postman, Jenkins, Docker, Kubernetes

Technologies/Frameworks: Spring Boot, Spring Security, Spring Data JPA, Hibernate, RESTful APIs, Microservices, Apache Kafka, Redis, MySQL, PostgreSQL, AWS (EC2, S3), JUnit, Linux

Education

Siksha 'O' Anusandhan University

Sep. 2018 – March 2022

Bachelor of Technology in Computer Science - CGPA: 7.5

Bhubaneswar, Odisha

Achievements / Certifications

- Microsoft Certified Azure Fundamentals (AZ-900) — [View Credentials](#)
- Cognizant Gen AI Intermediate – Prompting, ChatGPT, Copilot (Java), Partner Offerings — [View Credentials](#)
- Recognized by client for delivering cost-saving solutions under Cognizant's Bluebolt initiative.