Shubhodip Pal
Java Backend Developer

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Professional Summary

Java Backend Developer skilled in Java, Spring Boot, DSA, and MySQL, with a focus on building scalable, maintainable RESTful systems. Hands-on with Docker, CI/CD, and Cloudflare deployments. Proven experience owning features from development to production with effective team collaboration.

Projects

ExamSpace – Online Assessment Platform   GitHub   Live Site
- Architected modular REST APIs using Spring Boot, handling exams, users, submissions, analytics, classroom management and admin workflows.
- Optimized schema design using MariaDB and implemented Caffeine cache for high-performance data retrieval.
- Managed end-to-end deployment via GitHub Actions, Docker, and Cloudflare Tunnel from Google Cloud.

NutriSift – AI-Powered Recipe Management Platform   GitHub   Live Site
- Built an AI-powered recipe creation and management system with a personalized meal planner, and grocery list generation, architected entirely using Spring Boot and MariaDB.
- Implemented secure JWT-based authentication and modular RESTful APIs, and structured the database to efficiently handle users, ingredients, recipes, and meal plans.
- Ensured consistent delivery by deploying natively on Raspberry Pi and exposing securely via Cloudflare Tunnel.

Technical Skills

Languages: Java, Python
Backend: Spring Boot, REST APIs, JWT
Databases: MariaDB, MySQL, PostgreSQL
Cloud: AWS (EC2, S3, IAM basics), Google Cloud
DevOps Tools: Docker, GitHub Actions, Cloudflare Tunnel
Concepts: DSA, OOP, API Design, CI/CD, Agile Development

Education

B.Tech in Computer Science and Technology   University of Engineering & Management, Kolkata
Aug 2022 – July 2026 (Pursuing)   **YGPA: 8.17 (Till 6th Sem)**
Higher Secondary (WBCHSE)   Baranagore Ramakrishna Mission, Kolkata
Jun 2022   Percentage: 78.8%
Secondary (WBBSE)   Baranagore Ramakrishna Mission, Kolkata
Mar 2020   Percentage: 86%

Certifications

- Data Structures & Backend with Java – Board Infinity (Coursera)
- Alpha (DSA with Java) – Apna College
- AWS Fundamentals – Amazon Web Services (Coursera)
- Delta (Full Stack Web Development) – Apna College