

Shubhodip Pal

Backend Developer

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Professional Summary

Java Backend Developer proficient in Java, Spring Boot, Data Structures & Algorithms, and MySQL, with expertise in building scalable, maintainable RESTful systems. Familiar with CI/CD pipeline, and secure Cloudflare deployment through personal projects. Passionate about designing high-performance backend architectures and solving complex challenges through clean, efficient, and maintainable code.

Experience

- **Intern Developer** — *Alpha Torana, Remote* Oct 2025 – Present
 - Part of the in-house incubator team, contributing to the development of an AI-assisted FNOL and claims processing system.
 - Designed and implemented backend workflows for structured data extraction and claim intake.
 - Worked on RESTful API development, data validation, and integration of AI-driven extraction outputs into backend services.
 - Collaborated in an agile environment, participating in requirement analysis, sprint planning, and refinement.
- **Software Development Engineer Intern** — *Bluestock Fintech, Remote* Aug 2025 – Sep 2025
 - Enhanced existing backend APIs and improved service-to-service integrations.
 - Assisted in optimizing API reliability and response handling within production systems.

Projects

ExamSpace – Online Assessment Platform

[GitHub](#) [Live Site](#)

- Architected modular REST APIs using Spring Boot, handling exams, user management, analytics and classroom management.
- 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.

NutriSift – AI-Powered Recipe Management Platform

[GitHub](#) [Live Site](#)

- Developed 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.

Skills

Languages: Java, Python

Backend: Spring Boot, REST APIs, JWT

Databases: MariaDB, MySQL

DevOps Tools: GitHub Actions (CI/CD), Cloudflare Tunnel

Concepts: DSA, OOP, API Design, Agile Development

Soft Skills: Team Collaboration, Problem-Solving, Fast learner

Education

B.Tech in Computer Science and Technology

Aug 2022 – July 2026 (Pursuing)

University of Engineering & Management, Kolkata

YGPA: 8.35 (Till 6th Sem)

Higher Secondary (WBCHSE)

Jun 2022

Baranagore Ramakrishna Mission, Kolkata

Percentage: 78.8%

Secondary (WBBSE)

Mar 2020

Baranagore Ramakrishna Mission, Kolkata

Percentage: 86%

Certifications

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