

AADHAAR GOEL

Backend Developer

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Summary

Backend-focused Computer Science student with strong foundations in Java, OOP, and core CS fundamentals, experienced in building scalable RESTful APIs using Spring Boot. Passionate about designing clean backend architectures and writing production-quality code. Seeking a Java Backend Intern role to contribute to robust server-side systems.

Education

B.S. Data Science & Artificial Intelligence

IIT Guwahati

Expected: 2027

CGPA: 8.3 / 10

Skills

Languages & CS Fundamentals: Java, C++, SQL, DSA, OS, Computer Networks

Backend & Systems: SpringBoot, Spring Security, Hibernate, RESTful APIs, JWT, Docker, Git

Databases: MySQL, PostgreSQL, MongoDB, Redis(Basic)

Messaging & Architecture: Apache Kafka, Microservices

Projects

PayPal-like Digital Payments Platform | *Spring Boot Microservices*

- Built a production-grade microservices-based payment system with 7+ independent services (User, Wallet, Transaction, Fraud, Notification, Rewards, API Gateway).
- Designed a secure API Gateway with JWT authentication and role-based authorization for all client requests.
- Implemented event-driven architecture using Apache Kafka for asynchronous transaction processing, notifications, rewards, and fraud detection.
- Developed Transaction and Wallet services supporting concurrent transfers, atomic balance updates, and multi-currency management.
- Used REST and gRPC for efficient inter-service communication based on performance and latency requirements.
- Containerized and deployed services using Docker and Docker Compose, following scalable, fault-tolerant backend design principles.

Authentication & Authorization System | *Spring Boot + React*

- Built a production-grade authentication system with Spring Boot and Spring Security, supporting email/password login and OAuth2 (Google, GitHub) authentication.
- Implemented JWT-based security with access tokens and refresh tokens, using HTTP-only cookies for secure token renewal.
- Designed automatic token refresh flow to maintain seamless user sessions without re-login.
- Configured CORS, validation, and global exception handling following industry security best practices.
- Integrated React frontend with protected routes, form validation, and secure API communication.

Experience

Placement Coordinator Intern

April 2024 – October 2024

Physics Wallah Institute Of Innovation

- Coordinated institute-level events for 300+ students and supported placement initiatives.
- Researched student upskilling programs to improve internship readiness.

Freelance Tutoring

July 2023 – October 2023

Mathematics & Programming

- Tutored students in mathematics and introductory programming through online sessions.

Achievements

- **PW Hackathon:** Won 1st prize; designed and built an end-to-end application with a virtual IoT device prototype.
- **Competitive Programming:** Codeforces Specialist (Max Rating: 1409); solved 1000+ DSA problems across platforms.