Ramandeep Singh

Backend Developer (Java — Spring Boot)

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Professional Summary

Final semester Computer Science student with hands-on experience in building scalable backend systems using **Java and Spring Boot**. Previously worked on enterprise-grade financial applications at Wipro for a global banking client. Strong in data structures, RESTful APIs, SQL optimization, and system performance. Available for immediate full-time roles or internship-to-PPO opportunities.

Technical Skills

Languages: Java, Python, JavaScript, SQL, C++
Backend: Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Spring Security, Node.js, Express.js
Databases: PostgreSQL, MySQL, MongoDB
Frontend: React.js, HTML, CSS
DevOps & Tools: AWS (EC2, S3), Git, Github, Postman
Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), REST APIs, Agile Development, SDLC

Experience

Engineer Trainee *Jun 2022 – Dec 2022*
Wipro Limited — Client: NatWest Group (Royal Bank of Scotland) Gurugram, India
- Developed and enhanced backend modules for enterprise financial applications serving **5,000+ daily users**.
- Reduced production error rates by **20%** through robust Java-based feature enhancements and bug fixes.
- Optimized complex SQL queries and indexing strategies, improving data retrieval performance by **20%**.
- Collaborated with QA and frontend teams in an Agile environment, cutting defect resolution time by **15%**.

Projects

NeighborFit — Java, Spring Boot, PostgreSQL *Apr 2025 – Jun 2025*
- Built a neighborhood-matching platform using a custom Euclidean distance algorithm.
- Designed and implemented RESTful APIs with an average response time of **120ms** under concurrent load.
- Optimized PostgreSQL joins and indexing, improving query performance.
- Developed a responsive frontend consuming asynchronous APIs to ensure a non-blocking user experience.

CampusCart — MongoDB, Express.js, React.js, Node.js *Sep 2024 – Oct 2024*
- Engineered a campus-focused C2C marketplace.
- Implemented JWT-based authentication and role-based access control for secure user transactions.
- Designed scalable MongoDB schemas using Mongoose to maintain data consistency across listings.
- Improved frontend performance by optimizing API calls, reducing transaction latency by **25%**.

NoteMaster — Django, SQLite *Feb 2024 – Mar 2024*
- Created a multi-user note-taking platform with full CRUD functionality.
- Integrated Django authentication and session management to ensure secure, private access.
- Enhanced backend query efficiency using Django ORM best practices.

Education

Lovely Professional University, Punjab, India
B.Tech in Information Technology — Final Semester *Jul 2023 – June 2026 (Expected)*

University of Delhi — A.R.S.D. College, Delhi, India
B.Sc (Hons.) Physics — CGPA: 7.9 *Jun 2019 – Jun 2022*

Certifications

- Software Engineer Intern — HackerRank (Jun 2025)
- Cloud Computing — NPTEL (Oct 2024)