Abhinesh Jha

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SUMMARY

Backend developer specializing in Java and Spring Boot with expertise in building production-grade distributed systems. Strong foundation in RESTful API design, database optimization, and security implementation. Experienced in network programming, concurrency patterns, transaction management, and asynchronous processing. Passionate about performance optimization and solving complex technical challenges with scalable solutions.

PROJECTS

TaskManager API | *Spring Boot, Java, MySQL*

- Engineered RESTful API with CRUD operations supporting 1000+ daily tasks
- Optimized transaction management, reducing database locks by 60%
- Achieved 200ms response time via JPA query optimization
- Ensured data integrity with transaction boundaries and persistence
- Deployed containerized app with Docker, ensuring 99.9% uptime

PeerLink - Secure P2P File Sharing Platform | *Java, Next.js, TypeScript*

- Built with socket programming to enable file sharing via sockets without cloud storage
- Built P2P file transfer system supporting 500MB+ transfers
- 7-layer security: PIN authentication, rate limiting, auto-delete
- Architected thread-safe system handling 50+ transfers concurrently
- Built custom HTTP parser achieving 30% faster upload speeds
- Developed file validation preventing malicious uploads

OPEN SOURCE CONTRIBUTIONS

Winner of 3 competitive open-source programs | 100+ merged PRs | Active FOSS contributor

- **HackSquad by Novu (2024):** Winner — Contributed multiple PRs focusing on comprehensive documentation improvements and frontend enhancements.
- **Social Summer of Code (2024):** Winner — Enhanced frontend UX with JavaScript and modularized Python programs for improved code maintainability
- **Innogeeks Winter of Code (2023):** Winner — Developed fullstack web features and resolved 15+ critical bugs across fullstack applications.
- **Active Participation:** Multi-year Hacktoberfest contributor, MLH events participant, and regular contributor to major FOSS projects with focus on web development.

SKILLS

Languages: Java, Python, C, C++, SQL, JavaScript, Kotlin
Backend & Frameworks: Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Hibernate, Maven
Databases: MySQL, PostgreSQL, MongoDB, Redis
DevOps & Tools: Git, Docker, Linux, Postman, Swagger, CI/CD (GitHub Actions)

EDUCATION

Maharshi Dayanand University   *2022 - 2026*
Bachelor of Technology in Computer Science   **CGPA: 8.2/10**

- **Academic Focus:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOP