

Gagan Pandey

SOFTWARE ENGINEER

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🌐 Portfolio [in LinkedIn](#) 🌐 GitHub 🏆 Leetcode 📊 Codeforces

PROFESSIONAL SUMMARY

Backend-focused Full-Stack Developer skilled in **Java, Spring Boot, and React.js**, with strong experience in RESTful API development, database design, and scalable system architecture. Passionate about building secure, high-performance applications and continuously learning new technologies.

SKILLS

Backend: Java, Spring Boot, Spring Security, Spring Data JPA, Hibernate, Microservices, REST APIs

Databases: MySQL, PostgreSQL, MongoDB, Redis

DevOps & Tools: Docker, Kubernetes, Git, CI/CD, Nginx, Postman

Frontend: React.js, HTML, CSS

Core CS: Data Structures & Algorithms, OOP, Multithreading

WORK EXPERIENCE

Vaultofcodes

Java Intern

📅 November 2025 – January 2026

📍 Delhi, India

- Designed and developed scalable backend applications using **Java** and **Spring Boot**, implementing clean architecture and best practices.
- Built and exposed **RESTful APIs** to handle core business logic, request validation, and data processing.
- Tested APIs using **Postman** and followed proper HTTP status codes and REST standards.

PERSONAL PROJECTS

Zap URL - Scalable URL Shortener

🌐 GitHub Link

- Engineered a scalable URL shortener using **Spring Boot**, PostgreSQL, Redis, and Nginx, capable of handling 1,000+ requests.
- Integrated **Redis caching** to reduce database queries by 70%, improving response time by 50%.
- Enforced **rate limiting** with IP-based throttling (10 requests/min per user) to prevent abuse and ensure fair usage.
- Deployed with **Docker** and **Nginx-based** load balancing, enabling seamless performance across 10+ concurrent instances.
- **Dockerized microservices** architecture to support auto-scaling and high availability under high traffic loads.

Cloud Share: Full-Stack File Sharing App

🌐 GitHub Link

- Built a file sharing app with **React**, **Spring Boot**, **Spring Security**, **MongoDB**, and **Clerk Authentication**.
- Designed and implemented **RESTful APIs** for user authentication, file upload/download, access control, and sharing permissions.
- Developed a responsive and user-friendly UI, enhancing recruiter and applicant engagement and improving platform adoption by 40%.

Hospital Management System

🌐 GitHub Link

- Built a Hospital Management System backend using **Spring Boot** and **Spring Data JPA**, handling patients, roles, and permissions.
- Developed secure **REST APIs** with **OAuth2** and **RBAC**, following clean layered architecture for scalability.

EDUCATION

Jagan Institute of Management Studies (JIMS) Bachelor of Computer Applications (BCA)

📅 August 2022 – July 2025
8.4 CGPA

Indira Gandhi National Open University (IGNOU) Master of Computer Applications (MCA)

📅 August 2025 – Present

ACHIEVEMENTS

- Solved over 300+ programming questions on coding platforms, demonstrating dedication to improving programming skills.