Anshpreet Singh

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in LinkedIn | GitHub

SKILLS

Languages: Java, SQL, C (basic), TypeScript (basic)
Technologies & Tools: Spring Boot, Keycloak, Swagger (OpenAPI), Git, Maven, PostgreSQL, Cloudinary, Render, Netlify, Koyeb.
Database: PostgreSQL
Additional Skills: REST APIs, OAuth2 Authentication, Basic System Design, CI/CD Concepts

EDUCATION

PCTE Institute Of Engineering and Technology | Punjab   July 2024 – May 2028
B.Tech. in Computer Science Engineering   CGPA: 8.3 (First Semester)
Academic Achievements:
- Scored 96% in CBSE Class 12th (2024)
- Scored 94.6% in CBSE Class 10th (2022)

PROJECTS

ChatVault - Real-time Chat Application | Live   Source Code
- Engineered the complete backend for a full-stack one-on-one chat application, enabling real-time secure messaging using Java (Spring Boot).
- Customized an existing Angular frontend (UI improvements, WebSocket connection adjustments, deployment fixes) to ensure seamless integration with the backend.
- Integrated OAuth2-based authentication and authorization workflows using Keycloak to ensure robust session security and user management.
- Designed scalable storage for messages and media files using PostgreSQL (Render) and Cloudinary APIs.
- Deployed microservices setup: backend hosted on Render, frontend hosted on Netlify, and Keycloak configured as a private external service (On Koyeb)
- Documented all REST APIs with Swagger (OpenAPI 3.0) for seamless third-party integration and internal testing.
- **Tech Stack**: Java, Spring Boot, Angular, Keycloak, PostgreSQL, Cloudinary, Swagger, Render, Netlify, Koyeb.

JobNest - Job Posting Platform (Backend)| Backend API Docs   Source Code
- Developing a job posting and company review platform backend using Java and Spring Boot.
- Implemented secure authentication with Keycloak and Role-Based Access Control (RBAC) for admin, recruiter, and user roles.
- Following a modular feature-based backend structure for better maintainability and scaling.
- Focus on production-grade deployment pipelines and PostgreSQL database optimizations.
- **Tech Stack**: Java, Spring Boot, Keycloak, PostgreSQL, Git.

ACHIEVEMENTS

- Crossed **400+ total GitHub contributions**, including **301+ contributions in 2025 alone** (as of April), showing strong project-building momentum.
- Solved 19+ DSA problems on Coding Ninjas with ~43 submissions; currently practicing advanced DSA on LeetCode.
- Achieved **3rd place** in Junior Block Intra-College Volleyball Tournament at **PCTE Group of Institutes**.