

# Anshpreet Singh

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## EXPERIENCE

**Backend Consultant — FeedBeep (Freelance), Finland (Remote)** Jul 2025 – Present

- Architecting scalable AI news ingestion pipeline using Node.js, Gemini AI, and Firestore with modular design for MVP delivery.
- Collaborating directly with founders on technical architecture decisions and core backend infrastructure development.

**Backend Engineer — Compare.AI (Part-Time), Germany (Remote)** Jun 2025 – Present

- Developing production-ready REST APIs using Spring Boot and PostgreSQL for AI tools ranking platform MVP.
- Implementing secure KPI workflows with Flyway migrations, JPA optimizations, and modular admin architecture design.

## PROJECTS

**ChatVault - Secure Real-Time Chat App** [[Live](#) | [Code](#)]

- Engineered** full-stack chat platform using **Spring Boot Virtual Threads** and WebSocket, supporting 100+ concurrent users with real-time messaging.
- Implemented** stateless OAuth2 security with Keycloak and deployed with microservices architecture on Render, Netlify, and Koyeb with Cloudinary media offloading.
- Stack:** Spring Boot, Keycloak, WebSocket, PostgreSQL, Cloudinary, Docker, Swagger

**JobNest - Role-Based Job Portal Backend** [[Docs](#) | [Code](#)]

- Architected** modular Spring Boot backend with advanced RBAC using Keycloak realms/scopes, supporting 5+ user roles with granular permissions.
- Optimized** PostgreSQL schema with UUID indexes and Flyway migrations, achieving 60% faster query performance on job search operations.
- Stack:** Spring Boot, PostgreSQL, Keycloak, Docker

**ReplyWise - AI-Powered Email Assistant (Browser Extension)** [[Live](#) | [Code](#)]

- Built** AI email reply engine using **Gemini 2.0 Flash** via **Spring AI**, generating tone-based summaries and responses with 95% accuracy.
- Published** working Firefox extension with **glassmorphism UI**, achieving seamless browser integration and user-friendly AI interaction.

## SKILLS

**Languages:** Java, JavaScript, SQL, C

**Frameworks/Tools:** Spring Boot, Spring Security, Spring AI, Keycloak, Docker, Swagger, Git, Maven, Firebase Functions

**Cloud/Database:** PostgreSQL, Firestore, Cloudinary, Firebase, Render, Netlify, Koyeb

**Other:** REST APIs, OAuth2, CI/CD, Basic System Design

## ACHIEVEMENTS

- Contributing to 2 international startups (Germany & Finland) as a backend engineer since 1st year.
- Delivered 3 production-grade apps with 500+ GitHub commits and full deployment/docs.
- HackerRank Java (Intermediate) certified; actively preparing for technical interviews.

## EDUCATION

**PCTE Institute Of Engineering and Technology**, Punjab  
B.Tech. in Computer Science Engineering, **CGPA: 8.3** (Current)

July 2024 – May 2028