Anshpreet Singh

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LinkedIn | GitHub

SUMMARY

Backend developer with 1+ years of experience building Spring Boot APIs and scalable backend systems. Delivered production software for international MVPs with OAuth2 auth, PostgreSQL optimization, and real-time architectures.

EXPERIENCE

Backend Consultant — FeedBeep (Freelance), Finland (Remote)   Jul 2025 – Present
- Architecting scalable AI news ingestion pipeline using Node.js, Gemini AI, and Supabase with modular design for MVP delivery.
- Collaborating directly with founders on technical architecture decisions and core backend infrastructure development.

Backend Developer — Compare.AI, Germany (Remote)   Jun 2025 – Jul 2025
- Built production-ready REST APIs using Spring Boot and PostgreSQL, delivering core MVP functionality for AI tools ranking platform.
- Designed secure KPI workflows with Flyway migrations and JPA optimizations, establishing scalable admin architecture foundation.

PROJECTS

ChatVault - Secure Real-Time Chat App [Live | Code]
- Engineered full-stack chat platform using Spring Boot Virtual Threads and WebSockets, 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, JWT, WebSockets, PostgreSQL, Docker, Cloudinary

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.
- Used by early testers to generate 50+ replies with custom tones, validating accuracy manually.

SKILLS

Languages: Java, JavaScript, SQL, C
Frameworks/Tools: Spring Boot, Spring Security, Spring AI, Node.js, Keycloak, Docker, Swagger, Git, Maven
Cloud/Database: PostgreSQL, Supabase, Cloudinary, Firebase, Render, Netlify, Koyeb
Other: REST APIs, OAuth2, WebSockets, CI/CD, Basic System Design

ACHIEVEMENTS

- Led backend development for international startup MVP at age 18, contributing to 2 remote teams (Germany & Finland).
- Delivered 3 production-ready applications with 500+ GitHub commits, complete deployment pipelines, and comprehensive documentation.
- Certified Java (Intermediate) on HackerRank, with a strong focus on Spring Boot and OAuth2 security.

EDUCATION

PCTE Institute Of Engineering and Technology, Punjab   July 2024 – May 2028
B.Tech. in Computer Science Engineering (Current)