

SNEHIL

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Profile

Software Engineer | Backend & Distributed Systems | AI-Powered Applications | Spring Boot | Microservices | AWS

Technical Skills

Languages: Java, Kotlin

Backend Core Skills: Spring Boot, Microservices, REST APIs, PostgreSQL, Redis, Kafka, JWT Authentication, JUnit, Mockito

Platforms: AWS, Kubernetes, Docker, AWS S3, CodePipeline, Google Cloud

Tools: Git, Maven, Postman, Swagger, GitHub Actions (CI/CD)

AI & LLM: RAG, LLM, Tool Calling, Vector Store, ETL Pipeline

Professional Experience

Invyu Solution Technology (Remote)

Sep 2025 – Feb 2026

Software Developer

- Engineered TRide, a cab booking platform serving 50+ users & drivers, implementing real-time location tracking via Google Maps SDK and Directions API, reducing booking coordination time by eliminating manual dispatch.
- Developed InWork HRMS end-to-end for a 10-member team, automating attendance tracking, leave approvals, and geolocation tagging — replacing a fully manual process and saving ~2 hrs/day in admin overhead
- Shipped both apps to Google Play Store with 3 distinct role-based modules (user, driver, admin) using Navigation Compose, delivering on schedule within a 5-month engagement

Chamberly AB (Remote, Sweden)

Jun 2025 – Sep 2025

Software Developer

- Implemented 15+ production-grade Jetpack Compose screens in 3 months, translating Figma designs into scalable MVVM-based UI components.
- Integrated Firebase real-time sync and Retrofit API layer, ensuring zero data inconsistency across live sessions and improving app responsiveness for an international user base.

Projects

Lovable Clone Project

Apr 2026

- Architected microservices-based platform** automating full-stack web application generation via LLMs, replicating capabilities of industry leaders like Lovable and v0.
- Developed custom Reverse Proxy (Node.js, Redis)** supporting dynamic wildcard routing (*.app.domain.com), mapping **10,000+** ephemeral subdomains to internal cluster IPs with <10 ms lookup latency.
- Integrated tool calling**, reducing context token usage by 50% and improving latency by 50%.
- Wrote unit and integration tests using JUnit and Mockito, improving code reliability and reducing regression issues

[Github](#) | [Spring Boot, Spring AI, Open Router, Redis, NodeJs, Kubernetes, Microservices]

ProLink — Full-Stack Social Network

Mar 2026

- Engineered a scalable **LinkedIn-style networking platform** using a Spring Boot microservices architecture with a React frontend, designed for independent service deployment and scaling.
- Architected a high-performance **user connection system using Neo4j graph database**, enabling complex relationship queries (2nd/3rd degree connections, mutual friends) that would be expensive in a relational DB.
- Implemented **low-latency real-time messaging** using WebSockets, with MongoDB handling unstructured conversation data for flexible schema-free storage of chat history.
- Secured and orchestrated all inter-service communication through **Spring Cloud API Gateway**, Eureka service discovery, and JWT authentication — ensuring no service is directly exposed.

[Github](#) | [Tech: Spring Boot, React, Neo4j, MongoDB, WebSockets, Spring Cloud]

Moonlight Stays (Airbnb-style Hotel Booking Platform)

Jan 2026

- Developed a production-grade full-stack hotel booking platform with **Spring Boot 3.5** backend and **Next.js 14** frontend, featuring a dark-mode glassmorphism UI with Tailwind CSS and Framer Motion animations.
- Architected a **dynamic pricing engine** using the Strategy Design Pattern — handling surge, holiday, and occupancy-based pricing logic as interchangeable strategies without modifying core booking flow.
- Integrated **Stripe Checkout** with server-side webhook verification to ensure payment confirmation is never trusted from the client side, preventing fraudulent booking confirmations.
- Secured the API layer with **Spring Security + JWT refresh token rotation** and role-based access control, enforcing strict separation between Guest and Hotel Manager permissions.
- Designed a fully normalized **PostgreSQL schema** covering hotels, rooms, bookings, reviews, and promo codes, and deployed the complete stack on **AWS** using Amplify, Elastic Beanstalk, and RDS.

[Github](#) | [Tech: Spring Boot, PostgreSQL, AWS, Stripe, JWT, Hibernate]

Education

Bharati Vidyapeeth College Of Engineering

Bachelor of Technology (B.Tech) in Civil Engineering

Jun 2019 – May 2023

Pune