PRINCE KUMAR

+91 9289177949 | developer.prince.kumar@gmail.com | linkedin.com/in/nameisprince | github.com/prince2404 | Delhi, India

PROFESSIONAL SUMMARY

Java Backend Developer skilled in **Java, Spring Boot, and SQL**. Built a RAG chatbot prototype during an AI internship at Peepal Farm. Focused on clean architecture, secure APIs, and writing code that is easy to maintain.

SKILLS

Java 17+, Core Java, OOPs, Collections, Multithreading, Streams API, Spring Boot, Spring Security, Spring Data JPA, Hibernate, REST APIs, Microservices, SQL, Data Structures & Algorithms, Git, Maven, Docker, CI/CD, Github Actions, AWS, Junit, System Design, Design Patterns, AI-Assisted Coding, Debugging.

WORK EXPERIENCE

AI Intern Jan 2025 - Mar 2025
Peepal Farm *Himachal Pradesh, India*

- Built a RAG chatbot prototype with a team of 3 to answer Peepal Farm's common queries on animal care, adoption, and veganism using the NGO's own documents.
- Learned the RAG flow independently: embeddings, a vector database (ChromaDB), and LangChain with an LLM, all in Python.
- Identified hallucination issues during testing and learned why better retrieval and fine-tuning are needed for accurate answers.

PROJECTS

Apna Swasthya Kendra (ASK) - Healthcare Retail Platform | Live | GitHub

- Built a multi-role platform using Spring Boot, Spring Security, and JPA/Hibernate, with Role-Based Access Control (RBAC) and Two-Factor Authentication (2FA) for Admin, Pharmacist, and Customer roles.
- Designed a normalized relational schema and removed N+1 query problems in JPA/Hibernate.

Technologies: *Spring Boot, Java, Spring Security, React, MySQL*

Java Spring Microservices | GitHub

- Built a microservices system with five Spring Boot services (API Gateway, Auth, Patient, Billing, Analytics), each in its own Docker container, run together with Docker Compose.
- Implemented JWT authentication through a central API Gateway, and connected services using gRPC for synchronous calls and Kafka for asynchronous, event-driven communication.
- Wrote unit tests with JUnit and integration tests with REST Assured, and wrote AWS infrastructure as Java CDK code (VPC, RDS, ECS Fargate, ALB) for cloud deployment.

Technologies: *Java, Spring Boot, PostgreSQL, gRPC, Kafka, JWT, Docker, AWS CDK*

EDUCATION

JB Knowledge Park | Faridabad 2023 - 2027
Bachelor of Technology — Computer Science & Engineering *CGPA: 7.5*

Rose Land Public School | Gurgaon, Haryana 2021 - 2022
Class XII *Percentage: 90.8%*

Rose Land Public School | Gurgaon, Haryana 2019 - 2020
Class X *Percentage: 92.6%*

CERTIFICATIONS

- Java, SQL - HackerRank (Jul 2026)
- Java Spring Framework, Spring Boot - Udemy (Oct 2026)

AWARDS & ACHIEVEMENTS

- Ranked in the top 3 of the class in all semester exams and received the Academic Excellence Award.
- Won 1st prize at the college hackathon among 12 teams by presenting a RAG chatbot prototype.