HRITIK SINGH

+91-9870217238 — Noida, UP, India — hritiksingh1029@gmail.com — [Linkedin](#) — [Portfolio](#)

SUMMARY

Software Engineer specializing in full-stack development with **Java, Spring Boot, Angular, and Oracle SQL**. Experienced in building **secure microservices**, optimizing backend performance, and automating inventory workflows. Hands-on with **GenAI (LLM + RAG chatbot)** with a focus on **scalable, production-grade application design**.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, Bash
Backend/Frameworks: Spring Boot, Spring Security (JWT), Hibernate/JPA, REST APIs, Microservices, RBAC, Angular
Database: Oracle, MySQL, MongoDB
AI/GenAI: LLM Integration, RAG, LangChain, Hugging Face, Embeddings Model (MiniLM-L6-v2), Vector DB (Qdrant), Prompt Engineering, RLHF
DevOps & Cloud: Git/GitHub, Maven, Postman, Jira, Docker, AWS

PROFESSIONAL EXPERIENCE

Software Developer   Jan 2025 - Present
Bosch Global Software Technologies (BGSW), Hyderabad

- Developed secure enterprise modules with **role-based access control** and **JWT authentication** using **Spring Security**.
- Architected **REST APIs** in a **microservices-based architecture**, improving backend response time by **25%**.
- Integrated an **LLM + RAG chatbot assistant** integrated into the application for workflow Q&A using enterprise data; improved response relevance by **65%** and reduced onboarding/support effort by **20%**.

Engineer 1   Jul 2024 - Jan 2025
Vivo Mobile India Pvt. Ltd., Greater Noida

- Delivered scalable backend services using **Spring + JPA/Hibernate** with **DTO-Service-Repository** architecture.
- Accelerated **Oracle SQL** performance through query tuning and indexing, improving database/API performance by **40%**.
- Standardized robust **API validation + exception handling** using **GlobalExceptionHandler** and custom errors, improving backend reliability and reducing failures by **35%**.

Enginner   Jun 2023 - Jun 2024
Quality Buildcon Pvt. Ltd., New Delhi

- Automated smart-flat operations using sensor-driven **rule-based logic (IF–ELSE)** across **80+ residential units**.
- Built **threshold-based monitoring and intelligent alerts** using motion, smoke, gas, and intrusion detection sensors.

TECHNICAL PROJECTS

Next Gen Order Craft Inventory Management System
Tech Stack: Java, Spring Boot, Angular, Oracle SQL, OpenAI/Ollama LLM, RAG, Qdrant, JWT

- Orchestrated end-to-end **Procurement, Inventory, Supplier, and Production** workflow modules for real-time stock visibility and automated order lifecycle (PO creation, supplier mapping, inventory validation, progress tracking).
- Built an **LLM-powered chatbot** using **RAG pipeline** with **Qdrant vector DB**, **MiniLM embeddings**, and **OpenAI GPT-3.5-turbo LLM** for semantic retrieval.

Biometric-Based Transaction Device
Tech Stack: HTML, CSS, Oracle SQL, Embedded C, Communication Protocols

- Engineered fingerprint-based cashless payment system, cutting transaction time by **35%**.
- Crafted real-time monitoring dashboard on **Oracle DB**, ensuring **100% accuracy** in transaction records.
- Configured **Arduino Mega 2560** for biometric verification, enabling **500+ secure daily transactions**.

EDUCATION

Bachelor of Technology in Electronics & Communication Engineering   Aug 2019 - Jul 2023
G.L Bajaj Institute of Technology and Management   **CGPA: 7.8**

CERTIFICATIONS

- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** – Oracle University (2025) ([Certificate](#))
- **Advanced Computing & Software Development Training** – Centre for Development of Advanced Computing (C-DAC), Noida (2022)