HRITIK SINGH

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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

Backend: Java, Spring Boot, Spring Security (JWT), Hibernate/JPA, REST APIs, Microservices, RBAC
Frontend: Angular, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, RxJS, Reactive Forms
Database & Tools: Oracle SQL, PL/SQL, Query Optimization, Git/GitHub, Maven, Postman, Jira, Docker (basics)
AI/GenAI: LLM Integration, RAG, LangChain, Vector Databases (Qdrant), Embeddings (MiniLM-L6-v2), Hugging Face, Prompt Engineering
Cloud (Basics): AWS EC2, AWS S3

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**.
- Built and optimized **REST APIs** in a **microservices-based architecture**, improving backend response time by **25%**.
- Built 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%**.
- Designed **inventory intelligence automation** using **Min-Max stock threshold logic** with low-stock alerts and auto reorder suggestions, reducing manual monitoring effort by **40%**.

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

- Built responsive **Angular UIs** with **REST API** integration, boosting engagement by **25%** and slashing load times by **35%**.
- Streamlined **GitHub + Jira** workflows to accelerate issue tracking and resolution, improving team efficiency by **20%**.

TECHNICAL PROJECTS

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

- Engineered workflow modules for **Procurement, Inventory, Supplier, and Production** with real-time stock visibility, order lifecycle automation, and role-based dashboards to streamline operations.
- Developed an **LLM-powered chatbot** using **RAG pipeline** with **Qdrant vector DB**, **MiniLM embeddings**, and **OpenAI GPT-3.5-turbo LLM** for semantic retrieval.
- Implemented end-to-end **order lifecycle flow** including purchase order creation, supplier mapping, inventory validation, and status tracking.

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%**.
- Designed 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 - Aug 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)