

# HRITIK SINGH

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## SUMMARY

Software Engineer specializing in full stack development with **Java, Spring Boot, Angular, and Oracle SQL**. Shipped production features that improved API response times by **25%** and cut manual workflows by **40%**. Hands-on experience with **GenAI (LLM + RAG chatbot POC)** and strong focus on **secure, scalable application design**.

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Spring Boot, Spring MVC, Spring Security, Angular, TypeScript, JavaScript, HTML5, CSS3

**Databases & Tools:** Oracle SQL, PL/SQL, Git, Postman, Jira, Maven, Docker (basics)

**Specialized:** RESTful APIs, Microservices, JWT/RBAC, LLMs, RAG (Ollama), AWS EC2/S3 (basics)

## 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**.
- Optimized **JWT-secured APIs** and **SQL queries**, cutting backend response time by **25%**.
- Built **interactive chatbot UI** to guide users, decreasing onboarding effort and support queries by **20%**.
- Worked with cross-functional teams (frontend, backend, QA) using **Agile practices** and **code reviews**, lowering defect rate by **18%**.

### Engineer 1

Jul 2024 - Jan 2025

Vivo Mobile India Pvt. Ltd., Greater Noida

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

## TECHNICAL PROJECTS

### Next Gen Order Craft Inventory Management System

**Tech Stack:** Java, Spring Boot, Angular, Oracle SQL, LLM (Ollama), RAG, JWT

- Automated inventory replenishment using **min-max stock thresholds**, eliminating manual monitoring and maintaining consistent stock levels.
- Built **LLM + RAG (Ollama)** chatbot **POC** with document ingestion and chunking for contextual user guidance.
- Achieved **40%** reduction in manual effort, **30%** improvement in operational efficiency, and faster onboarding through chatbot assistance.

### 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)