

Suryansh Sharma *Software Engineer*

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Profile

Results-oriented Software Engineer with hands-on experience in building scalable microservices and full-stack applications using Java, Spring Boot, and modern database technologies. Skilled in deploying applications to cloud platforms (AWS, Docker, Kubernetes) and integrating complex systems to improve performance and reliability. Dedicated to delivering innovative, high-quality software solutions that drive operational excellence.

Professional Experience

- 07/2025 – Present

Software Engineer, Virtue Tech Solutions
I actively apply my Java, Spring Boot, and microservices skills to help Dynamics 365 F&O teams develop robust integration solutions and complementary full-stack applications.
- 07/2024 – 06/2025

Asst. Software Engineer, Ads Infosys 
Contributed to the end-to-end development of web platforms, from UI/UX implementation to API design and database integration.

Skills

Language & Backend Java, Spring Boot, GraphQL, JPA, REST APIs	Frontend & Mobile Angular, React, TypeScript, Flutter, React Native	Databases PostgreSQL, MySQL, OracleDB, MongoDB, Redis, Elasticsearch
DevOps & Cloud Docker, Kubernetes, Git, AWS, Azure, DigitalOcean	Tools & Concepts Visual Studio, Kafka, JMeter, Kibana, JWT, OAuth	

Projects

- IntelliBook, AI-Powered Digital Day Book System** 
- Developed a **full-stack digital day book application** automating financial record-keeping, **reducing manual effort by approximately 40%**, utilizing **Flutter** for UI and a **Spring Boot backend**.
 - Implemented **AI-driven categorization**, insightful reporting, and an integrated **chatbot** for natural language queries, enhancing user experience.
 - Integrated **OCR** for receipt scanning and **PgVector** for similarity-based financial searches, **improving data accuracy by 25%** and retrieval efficiency.
- E-Store Microservice, Scalable E-commerce Platform** 
- Designed and implemented a **modular microservices architecture** for an e-commerce platform, **improving scalability by 40%** and managing products, inventory, reviews, and search.
 - Built independent services (Product & Inventory with **PostgreSQL**, Review & Rating with **MongoDB**, Search with **Elasticsearch**) for clear separation of concerns and enhanced scalability.
 - Integrated **Kafka** for asynchronous messaging and **Redis** for caching frequently accessed data, **improving response times by 35%** and ensuring high availability.
 - Applied **Spring Cloud tools** (service discovery, API gateway, configuration management) to ensure smooth and efficient inter-service communication.
- Visitor Entry Pass, Smart Visitor Management System** 
- Developed a **digital visitor registration and pass generation system** for high-traffic environments (offices, hospitals), **replacing traditional logbooks and improving check-in efficiency by approximately 30%**.
 - Implemented **secure login and access control** using **JWT-based authentication** with token blacklisting for enhanced security and session management.
 - Utilized **GraphQL APIs** to deliver flexible and efficient data queries to the frontend dashboard, **reducing data fetching overhead by 20%** and enhancing responsiveness.

Education

12/2020 – 08/2024	Bachelor Of Technology / Computer Science & Engineering, Galgotias College of Engineering & Technology	Greater Noida, India
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CERTIFICATIONS & ACHIEVEMENTS

- IBM AI Engineering Professional Certificate
Wipro TalentNext Java Full Stack Certified