

ALOK SINGH

Java Developer (Spring Boot)

SUMMARY

Java Developer with hands-on experience in building scalable backend applications using **Java 17, Spring Boot, REST APIs, WebSockets, microservices, and cloud deployments**. Skilled in designing real-time systems, secure authentication, distributed data storage, and CI/CD pipelines. Strong foundation in **DSA, OOP, system design**, and modern web development. Additional experience in **AI-driven automation, OCR, and LLM-based tools**, bringing enhanced workflow intelligence to engineering teams.

EDUCATION

IIT BHU, Varanasi

Bachelor's of Technology – Electrical Engineering
2020 – 2024

SKILLS

Backend (Primary Skills)

- Java 17, Spring Boot 3.x
- Spring Security, JWT Authentication
- WebSocket / STOMP
- REST APIs, Microservices
- Maven

Databases

- PostgreSQL, MongoDB
- Redis
- JPA/Hibernate
- Query optimization

Frontend (Secondary Skills)

- Vue (Vite)
- JavaScript / TypeScript
- Tailwind CSS

DevOps

- Docker, Docker Compose
- GitHub Actions (CI/CD)
- Render, Railway, Vercel
- Environment configuration & cloud deployments

AI / Automation (Bonus Skills)

- OCR pipelines
- LLMs, embeddings
- RAG systems, text processing

CS Fundamentals

- Data Structures & Algorithms
- OOP, multithreading
- System design basics
- Problem-solving

PROFESSIONAL EXPERIENCE

Java Developer

ITAakash Strategic Software Private Limited | Aug 2024 - Present

- Developed **Spring Boot microservices** and **secure REST APIs** for enterprise workflow automation.
- Optimized **PostgreSQL/MongoDB** operations and improved backend performance by **30%** through indexing, caching, and async operations.
- Implemented **WebSocket (STOMP)** communication for real-time dashboard and data updates.
- Built internal **AI/automation tools** (OCR pipeline, RAG agents, call summarization) reducing manual work by **40-70%**.
- Automated deployments using **Docker + GitHub Actions** with multi-environment CI/CD pipelines.
- Collaborated with frontend teams (React/Vue) to deliver integrated full-stack modules.

PROJECT

Real-Time Collaborative Coding Platform | [Link](#)

October 2025 - November 2025

- Developed a **real-time collaborative code editor** with multi-user editing using **Operational Transformation**.
- Built a **Spring Boot backend** with JWT auth, document management APIs, and a WebSocket sync engine.
- Implemented **hybrid storage architecture** using PostgreSQL (metadata) and MongoDB (live document content).
- Containerized and deployed full-stack application using **Docker, Render (backend), and Vercel (frontend)**.