

Ayush Kumar

Senior Java Full Stack Developer

📍 Noida, India 📩 dixitayush284@gmail.com ☎ +91 8931086751 💬 LinkedIn 🐾 GitHub 🌐 Portfolio

Summary

Results-driven **Senior Software Engineer** with **4.5+** years of expertise in architecting high-performance enterprise applications using **Java**, **Spring Boot**, and **Microservices**. Proficient in full-stack development with **React.js** and **GraphQL**, delivering scalable cloud-native solutions on **Docker** and **Kubernetes**. Proven track record of optimizing database performance, implementing secure **JWT** authentication, and driving **CI/CD** automation. Passionate about distributed systems and leveraging **GenAI** to drive business innovation.

Technical Skills

Backend:	Java 21, Spring Boot 3, Microservices, GraphQL, PostGraphile, Spring Security, REST APIs
Frontend:	JavaScript (ES6+), TypeScript, React.js, Next.js, Tailwind CSS, Redux, HTML5, CSS3
AI & Emerging Tech:	Generative AI (GenAI) , Agentic AI , OpenAI API, LLM Integration, RAG Pipelines
Database:	PostgreSQL, Oracle SQL, MySQL, MongoDB, Redis (Caching), Spring Data JPA
DevOps & Tools:	Docker, Kubernetes, Jenkins, Git/GitHub, Maven, Gradle, JIRA, Postman, AWS (Basic)

Education

MMIT, Pune University – Pune, India
Bachelor of Engineering in Computer Science (CGPA: 8.0)

July 2017 – June 2021

Experience

Senior Software Engineer - I
HCL Software

Pune, India

Apr 2025 – Present

- Architecting cloud-native **microservices** for HCL's commerce platform using **Java 21**, **Spring Boot**, and **Redis**, improving system throughput by 20%.
- Implemented instant runtime APIs using **PostGraphile** to auto-generate high-performance **GraphQL** endpoints directly from **PostgreSQL** schemas, reducing backend boilerplate code by 30%.
- Orchestrating containerized deployments via **Docker** and **Kubernetes**, ensuring 99.9% uptime and seamless auto-scaling during peak loads.
- Engineered responsive frontend modules using **React.js** and **Next.js**, integrating Server-Side Rendering (SSR) to boost SEO and load performance.
- Secured application endpoints using **Spring Security** and **JWT** (JSON Web Tokens) for robust Role-Based Access Control (RBAC).
- Optimized data retrieval latency by implementing **Redis** distributed caching strategies for session management and frequent queries.
- Driving code quality standards through strict peer reviews, **JUnit/Mockito** testing, and adherence to Agile/Scrum delivery cycles.

Software Development Senior Analyst
Accenture

Noida, India

Oct 2024 – Apr 2025

- Spearheaded the backend development of a secure digital banking onboarding module, ensuring compliance with financial data encryption standards.
- Developed fault-tolerant **Spring Boot** microservices, utilizing **Feign Clients** for inter-service communication and reducing dependency coupling.
- Implemented high-volume batch processing using **Spring Batch**, handling daily transaction reconciliations with automated retry mechanisms.

- Automating critical reporting tasks using **Quartz Scheduler**, reducing manual operational overhead by 40%.
- Collaborated in an **Agile** environment to deliver iterative updates, conducting sprint planning and retrospectives to refine team velocity.
- Enforced Test Driven Development (TDD) by maintaining 85%+ code coverage using **JUnit** and **Mockito**.

Software Developer
Amdocs

Gurugram, India
Aug 2021 – Oct 2024

- Contributed to the core development of the Ordering Management System (OMS), a mission-critical telecom application serving millions of subscribers.
- Refactored legacy monolithic modules into modular components using **Java**, **EJB**, and **WebLogic Server**, enhancing maintainability.
- Integrated **SOAP** web services and **JMS** queues to facilitate asynchronous messaging and reliable order provisioning workflows.
- Optimized complex **PL/SQL** queries on **Oracle DB**, reducing query execution time for large-scale datasets.
- Leveraged **Jenkins** for CI/CD pipeline management and **Bitbucket** for version control to streamline build and deployment processes.

Projects

AI-School: Smart Management System

[Live Demo](#) 

- Developing a full-stack SaaS solution for educational institutions using **Node.js**, **GraphQL** and a **Next.js** frontend.
- Integrated **GenAI** capabilities to provide AI-driven insights, including smart attendance tracking and automated student performance summaries.
- Deployed **Agentic AI** workflows to autonomously analyze large datasets and generate actionable administrative reports without manual intervention.
- Built a real-time analytics dashboard using **Recharts** and **Tailwind CSS**, allowing admins to visualize fee trends and academic metrics.
- Secured the application with **Spring Security OAuth2** and implemented a multi-tenant database architecture.

Certifications

Microservices with Spring Boot (Coursera)
Java Spring Framework (Udemy)

Docker Kubernetes Mastery (Udemy)
Data Analytics Professional (IBM)