

Pratyush Patwa

Senior Software Engineer | Java Backend Engineer

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SUMMARY

Senior Software Engineer with 5.6+ years of experience building scalable backend applications using Java and Spring Boot. Skilled in designing microservices, developing REST APIs, optimizing SQL performance, and building distributed systems for enterprise applications. Focused on building scalable, high-performance backend systems while expanding expertise in Generative AI, Retrieval-Augmented Generation (RAG), and AI Agents.

SKILLS

- Programming Languages: Java, Python, JavaScript
- Frameworks: Spring Boot, Spring Framework, Microservices, REST APIs
- Messaging: Kafka, RabbitMQ
- Caching: Redis
- Databases: Oracle SQL, MySQL, MongoDB
- Build & Tools: Maven, Git, GitHub, Jenkins, JUnit
- Core Concepts: Object-Oriented Programming, Multithreading, Distributed Systems, Design Patterns

EXPERIENCE

ZenArt Pvt Ltd, Bangalore | Senior Software Developer | May 2026 – Present

- Developing scalable backend services using Java and Spring Boot for enterprise applications.
- Building and optimizing REST APIs and SQL queries to improve backend performance and responsiveness.

Technologies: Java, Spring Boot, REST APIs, Oracle SQL, MongoDB, Maven, Kafka

Oracle, Bangalore | Software Developer | Dec 2021 – May 2026

- Designed and **developed scalable Java Spring Boot microservices** supporting enterprise healthcare applications, enabling reliable communication across distributed services.
- Built and enhanced **RESTful APIs** for patient registration, pharmacy inventory, prescription management, and drug information workflows, improving system interoperability.
- **Optimized SQL queries, indexing strategies, and backend processing**, improving API response time and increasing overall application throughput by **50%**, resulting in faster data retrieval and enhanced user experience across critical modules.
- **Diagnosed and resolved 15+ production issues** across distributed microservices through root-cause analysis and performance optimization, contributing to **99.9% uptime** for business-critical services.
- Collaborated with architects, QA engineers, and cross-functional teams to design, develop, and deliver scalable backend solutions while ensuring high code quality through unit testing and peer reviews.

Technologies: Java, Spring Boot, Microservices, REST APIs, Oracle SQL, Maven, Kafka, Redis

Infosys Ltd, Bangalore | System Engineer | Jan 2021 - Dec 2021

- Developed backend services using Java and Spring Boot while building responsive React-based user interfaces for an enterprise insurance platform.
- Implemented REST APIs and business logic supporting healthcare plan adjustment workflows in an Agile development environment.

Technologies: Java, Spring Boot, ReactJS, Rest API, MySQL, RabbitMQ

Cleartrip Pvt Ltd, Bangalore | Intern | June 2019 - Oct 2019

- Automated finance operations using Python, eliminating repetitive manual tasks and saving approximately 400 hours of effort per month.

ACHIEVEMENTS

- Recognized as a Star Performer for outstanding performance across two consecutive quarters (Q3 2023 and Q4 2023) at Oracle.
- Received Infosys Insta Award (2021) for outstanding contribution.
- Ranked 5664 globally in Google Hash Code 2021.
- Semi-finalist in TechGig Code Gladiator (2019 & 2020).
- Contributed to multiple editions of Hacktoberfest through open-source software contributions.

CERTIFICATIONS

- IBM RAG and Agentic AI Professional Certificate (In Progress)

EDUCATION

- Dr A. P. J Abdul Kalam University, Lucknow | Aug 2016 - Sep 2020
Bachelor Of Technology in Computer Science & Engineering - Secured 76%