ABHISHEK YADAV

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Summary

Java Spring Boot Developer with 3+ years of experience building high-throughput backend systems, scalable microservices, and AI-integrated APIs. Proven track record of reducing latency by 60%, tripling request handling capacity, and deploying production-ready REST APIs serving 10K+ daily users. Specialize in multithreading, geospatial data processing (PostGIS), and automation via Spring Scheduler.

PROFESSIONAL EXPERIENCE

Infosys Ltd — *Software Engineer*

Oct 2022 – Present| Nagpur, Maharashtra, India

- **Developed and integrated** an AI-driven predictive model into a ticketing system, resulting in a **70% reduction in average incident resolution time,** improving client satisfaction and operational efficiency.
- **Optimized** backend throughput by implementing **multithreading and concurrent processing patterns** in Java, enabling the system to handle **3x more requests per second** under peak load.
- **Automated 90% of routine backend tasks** by scheduling cron jobs with Spring Scheduler, significantly **reducing manual intervention and minimizing downtime** from human error.
- **Designed, developed, and deployed** over **20+ RESTful APIs** for core business modules, supporting **10K+ daily requests** with <300ms response time and 99.9% uptime.

Personal Projects

Uber Backend Simulation

- Developed backend infrastructure with Spring Boot, implementing user authentication, trip management, and role-based authorization using Spring Security and JWT.
- Utilized PostgreSQL + PostGIS for handling **geospatial** data and optimized location-based queries with **spatial indexing**.
- Built **real-time matching APIs** for trips, integrated driver-passenger communication modules, and booking history endpoints.

Blogify Platform

- Built a responsive React frontend using hooks and functional components, integrated with backend APIs via Axios for smooth user interaction.
- Integrated RESTful APIs with frontend via Axios, ensuring **95%+ UI-to-backend sync success rate** and **<200ms average response time**.
- Deployed on Railways and Netlify with CI/CD pipeline using GitHub Actions, maintaining **99.9% uptime** over 6 months.

Skills

- **Backend Technologies** – Java, Spring Boot, Spring MVC, RESTful APIs, Microservices Architecture, Multithreading & Concurrency, Design Patterns, Hibernate, Spring Data JPA, Swagger/OpenAPI.
- **Frontend Technologies** – React.js, JavaScript (ES6+), HTML5, CSS3, React Strap, Axios.
- **Databases & Data Handling** – MySQL, PostgreSQL, PostGIS (Geospatial Queries), Hibernate ORM**.**
- **Tools & Platforms –** Git, Maven, IntelliJ IDEA, Postman, Cron Jobs.
- **Machine Learning (Basic)** - scikit-learn (for predictive modeling and prototyping), NumPy, Pandas, Flask.

Certifications

1. Infosys Certified Spring Boot and React Developer
2. The Ultimate React with Redux - Udemy
3. Mastering Java: Beginner to Advance with DSA - Udemy

Hackathons

- **12th/400+** – Code War, IIT Bhilai
- **8th/200+** – Code Wizard, IEEE HMRITM

EDUCATION

Jhulelal Institute of Technology, Maharashtra, India   May 2018 -May 2022

- Bachelor of Engineering in Computer Science.
- Aggregate: 78