ABHISHEK YADAV

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Summary

Java Spring Boot Developer with 3+ years of experience in backend systems, microservices, and AI-integrated APIs. **Expertise in Redis, Kafka, AWS (S3, SQS, SNS), multithreading, Spring Scheduler, REST APIs, Hibernate and PostgreSQL.** Delivered high-performance systems reducing resolution time and improving throughput.

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 and operational efficiency.
- Optimized backend throughput by implementing multithreading and concurrency, enabling **3x** higher requests per second during peak load.
- Automated 90% of routine backend tasks via Spring Scheduler, reducing manual effort and downtime.
- Designed, developed, and deployed 20+ RESTful APIs, supporting 10K+ daily requests.

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.

AWS File Upload & Event Processing App

- Developed Spring Boot application for file uploads to **AWS S3** and asynchronous processing via **AWS SQS**.
- Implemented scheduled **SQS listener** to process messages in real-time and delete messages after processing.

Skills

- **Backend Technologies**: **Java**, **Spring Boot**, Spring MVC, RESTful APIs, **Microservices**, **Multithreading** & **Concurrency**, **Design Patterns**, Hibernate, Spring Data JPA, Swagger/Open API.
- **Cloud / AWS: AWS S3**, **AWS SQS**, **AWS SNS**, IAM, AWS SDK v2 integration with Spring Boot.
- **Caching & Messaging: Redis, Kafka**, Asynchronous messaging & event-driven workflows (AWS SQS, Kafka).
- **Frontend**: **React.js**, JavaScript (ES6+), HTML5, CSS3, React Strap, Axios.
- **Databases**: MySQL, **PostgreSQL**, Hibernate ORM**.**
- **Tools & Platforms: Git**, **Maven**, IntelliJ IDEA, Postman.

Certifications

1. Infosys Certified Spring Boot and React Developer
2. The Ultimate React with Redux - 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%