Aditya Thakur

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PROFESSIONAL SUMMARY

Experienced Backend Developer with **over 5 years** of expertise in building and migrating applications to microservices architecture using **Spring Boot**. Skilled in developing scalable solutions, database migrations, and implementing messaging systems like **Kafka**. Proficient in optimizing data processing workflows, containerization, and deploying robust applications with a focus on performance, reliability, and automation.

WORK EXPERIENCE

Amdocs   **Oct. 2023 – Present**
ARM Modernization and Oracle to Postgres Migration   *Java Backend Developer*

- Spearheaded the successful migration of monolithic **Java** applications from JAXB-CXF and EJB to scalable **Spring Boot microservices**, improving maintainability and system performance.
- **Redesigned application architecture** into layered microservices (API, delegate, service, and persistence layers), leveraging **Swagger** for REST API generation.
- **Containerized** microservices to ensure consistent environments across development, testing, and production.
- **Migrated Oracle DB to PostgreSQL** using Amazon's SCT tool, identifying and manually fixing incomplete or incorrect schema conversion for procedures, functions, and triggers.
- Created and executed anonymous blocks to rigorously test converted **PostgreSQL** procedures and functions, ensuring data integrity and accurate system functionality.
- Utilized **Generative AI** to assist in complex code conversions and automate error-prone manual fixes during the database migration process.

Amdocs   **Aug. 2022 – Sept. 2023**
Network Inventory   *Java Backend Developer*

- **Developed new microservices** as part of a telecom-focused **Network Inventory** project using Java Spring Boot. Integrated **TMF adapters as microservices**, ensuring adherence to telecom standards within the system architecture.
- Designed and implemented **Kafka** messaging architecture, developing custom producers and consumers that optimized asynchronous communication, improving system reliability and reducing latency.
- Modified **REST API** contracts, adding new fields and implementing service layer logic while ensuring consistency by updating **Swagger** documentation.
- **Worked with Cassandra** for data storage, contributing to performance and scalability improvements.
- **Implemented green-on testing** for the **blue-green upgrade solution**, ensuring smooth deployments and minimizing downtime during upgrades.
- **Identified and resolved CVEs (Common Vulnerabilities and Exposures)** to enhance security across the microservices codebase.

L&T Infotech   **May. 2020 – July 2022**
Price Engine - Nordea   *Java Backend Developer*

- **Developed and modified Spring Batch jobs** to execute scheduled pricing calculations, fetching data from the database, applying complex formulas, and saving the results back to the database or generating reports.
- **Enabled execution of pricing strategies** by implementing regulatory-compliant calculations and non-investment parameter handling within the application.
- Contributed to **optimizing price handling** and regulatory operations by improving batch job efficiency and accuracy in data processing.

L&T Infotech   **Aug. 2019 – Mar. 2020**
Internal project – National Scholarship Portal   *Java Backend Developer*

- Developed a **Spring** based application that handled the registration, verification and validation of student scholarship application.

SKILLS

- Programming Languages: Java, Python
- Frameworks: Spring Boot, Spring Batch, Swagger
- Messaging/Queues: Kafka
- Databases: Oracle DB, PostgreSQL, Cassandra
- DevOps Tools: Docker, Kubernetes, Helm, Blue-Green Deployment, Git, Maven, BitBucket
- Others: Jira, Generative AI

EDUCATION

B.Tech in Computer Science Engineering   **2015-2019**
University of Petroleum and Energy Studies, Dehradun