Lavanya Gollapelli

Software Engineer

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Professional Summary

Software Engineer with over 1+ year of professional experience in developing **RESTful APIs**, **ETL processes**, and building **data pipelines**. Expertise in **data integration**, **API development**, and **cloud deployment** with a focus on accuracy, performance, and adhering to best coding practices. Proficient in working with **Spring Boot**, **Kafka**, **MongoDB** and **Agile methodologies**.

Experience

Manuh Global Technologies Pvt. Ltd. — *Remote*

Associate Data Engineer | *10/2023 - 01/2025* | **Insurance Domain - Data Integration System**
- Designed and developed enterprise-level **RESTful APIs** using **Spring Boot** with integrated JWT authentication to secure API access.
- Developed and executed **JUnit test cases** using **Mockito framework** for unit testing to ensure high-quality, reliable code.
- Deployed **microservices** on **Amazon EKS** using automated **CI/CD pipelines** for efficient deployment and integration.
- Built a near real-time data pipeline leveraging **Kafka** and microservices to ingest and process data into **MongoDB**.
- Implemented data ingestion pipelines with **IBM Infosphere** and **Informatica**, migrating data from **IBM Db2** and **SQL Server.**
- Followed **Agile** and **Scrum** methodologies to ensure timely delivery of features, focusing on building efficient **aggregation pipelines** and performing **debugging** tasks.

Infometh Solutions Private Limited — *Remote*

Intern | *04/2023 - 09/2023*
- Contributed to the development of a **Restaurant Management System**, improving daily operations with features like **inventory management**, **order processing**, and **employee scheduling** using **Java**, **Spring Boot**, **Angular**, and **MySQL**.

Shaurya Technosoft Private Limited — *Pune*

Intern | *01/2022 - 03/2022*
- Developed an **Employee Management System** using **.NET**, **C#**, and **MySQL** to manage employee data efficiently.

Skills

- Programming Languages: **Java, Python**
- Technologies: **Spring Boot, Kafka, JUnit Test cases, Mockito Framework, Git**
- Cloud Platforms: **Google Cloud, Azure DevOps**
- Data Management: **SQL, MongoDB, IBM Infosphere, Informatica**
- Tools: **CI/CD, Maven, Docker, Agile Methodologies**

Education

Bachelor of Engineering - Computer Science (Honors in AI)

Sinhgad Institute of Technology & Science, Pune   CGPA: 8.65 | *2019 - 2023*

Key Achievements

- **Data Pipeline Efficiency:** Reduced data processing time by optimizing aggregation pipelines.
- **RESTful API Development:** Developed high-performance REST APIs using Java Spring Boot, ensuring optimal performance and writing comprehensive test cases with JUnit and Mockito for reliable code.
- **Team Leadership:** Led a team to execute Data Ingestion tasks, demonstrating strong communication skills and ensuring data pipeline efficiency and validation.
- **Code Quality & Collaboration:** Fostered collaboration in maintaining high standards in code quality, debugging, unit testing, and performance across projects.