

Skills

- Java, Spring Boot, SQL, Spring, Bash, Backend Development

Experience

Data Engineer

Apr 2022 - Present

Cognizant

- Developed efficient ETL process that fetches 2 TB of data daily from diverse RDBMS sources to the Hadoop data lake leveraging Hive and Sqoop
- Designed and implemented an SCD 2 ingestion mechanism ensuring all historical data is effectively maintained Hadoop Data Lake
- Created Attunity Replicate tasks for capturing data via Change Data Capture CDC approach from SAP systems to Azure Data Lake
- Developed change tracker tool which captures around 8 Tb of data on daily basis from Attunity landing area and ingest to Hadoop ODS layer
- Simplified the data capture process by creating change tracker tool that can evaluate schema changes allowing for dynamic column additions and deletions
- Supervised the Hadoop Data Lake to Azure HDInsight which reduced platform and maintenance costs by 20-30%
- Implemented audit scripts for ingestion tables which captures job run time, status, records processed for comprehensive data tracking

Program Analyst

Aug 2020 - Aug 2022

Cognizant

- Optimized production code of HDInsight batch,thus reducing script waiting time in batch processing resulting in early data delivery by 4 hours
- Implemented shell scripts to automate manual ad-hoc tasks, including job status monitoring and reporting functions
- Resolved the data discrepancies between SAP and Hadoop tables through data reconciliation resulting in the successful resolution of 33.6 % of all assigned incidents to the team
- Enhanced data reconciliation process between Hadoop and oracle systems with Sqoop import ensuring data consistency,accuracy and improve overall efficiency
- Designed and implemented shell script for through data stability checks automating the data quality control of Hadoop tables before batch process ensuring data accuracy and reducing manual effort

Projects

Job Scheduler for monitoring Hadoop jobs and dependencies

- Developed a web-based interface for effortless job and workflow management which decrease the manual effort by 90%
- Developed email notifications, SLA alerts, auto-job termination, auto job retries
- Optimised the shell script to adapts to daylight saving time and other clock changes, maintaining uninterrupted job scheduling and execution.

Built scalable messaging application using Spring, Cassandra and GitHub Authentication

<https://github.com/vamsi-yerramreddy/MessagingApplication>

- Engineered a robust Inbox web application using Java and Spring Boot, enabling seamless messaging between the users by 5%
- Implemented Apache Cassandra to optimize data storage, enhancing data retrieval efficiency.
- Orchestrated Spring Security to fortify user authentication and authorization, mitigating security vulnerabilities and ensuring data privacy.

Achievements

- Received PnR awards successively for development of multiple automation solutions
 - Awarded the prestigious Ministry of Human Resource Development (MHRD) Scholarship from 2016 to 2020 for scoring 98.2% in Intermediate Examinations
- Receipient of Dean's Merit Scholarship for exceptional performance through out my B.Tech degree

Education

Scaler	2023
Specialized in Software Development & Problem Solving	
SASTRA University	2020
BE/B.Tech/BS	