

Jees Maria J

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EDUCATION

Government Engineering College, Thrissur

Bachelor of Technology in ECE; CGPA: 7.75

Thrissur, Kerala

Aug 2015 - August 2019

EXPERIENCE

Mphasis Limited

Senior Software Engineer

Bengaluru, Karnataka

Mar 2025 - Present

- **Process Automation Modernization:**

- * Supported the migration of RPA workflows to a Python-based data automation framework using Apache Airflow, improving pipeline transparency and control across multiple Insurance domain processes.
- * Developed and deployed FastAPI microservices to modularize Airflow DAG tasks, contributing to a clean, reusable, and scalable data pipeline architecture.
- * Integrated Azure SQL Server for data persistence and transformation; wrote efficient queries and ensured data reliability through proper validation and testing.
- * Contributed to CI/CD automation with Jenkins, emphasized unit testing and clean code practices, and supported mainframe integration via OpenLegacy for legacy data access.

Tata Consultancy Services

IT Analyst

Bengaluru, Karnataka

Apr 2021 - Feb 2025

- **Talend Retirement:**

- * Led the DBT migration phase of the Talend Retirement Project, transitioning transformation processes to DBT for analytics-ready data.
- * Played a pivotal role in the Airflow migration by designing re-usable DAG for enhanced orchestration and supported HVR migration by standardizing extraction and loading processes.
- * Managed and guided a team of 5 members throughout the DBT migration process, ensuring timely delivery and quality outcomes.
- * Designed and established the repository structure, implemented a formatting check file for CI/CD, and set up GitLab CI pipelines for seamless integration and deployment.

- **End-to-End Data Management Solution Project:**

- * Created custom data ingestion pipelines to load data into Snowflake DB using Theobald Xtractor and Talend Studio from sources like SAP (S4HANA, PLM), SharePoint, and AWS S3.
- * Designed and developed an optimized Talend job to split data extraction into parallel processes, extracting over 60 million records in less than 2.5 hours.
- * Collaborated with the Python team to develop and deploy a probabilistic model, enhancing data-driven decision-making capabilities.
- * Participated in project planning, estimation, and delivery activities using Agile methodology.

- **POC for MDM Solution Development:**

- * Collaborated with React frontend developers to develop the backend for a POC to replace Riversand MDM with a custom web application using Python and Flask.
- * Integrated Snowflake DB for data storage and implemented RESTful APIs, also wrote test cases.
- * Ensured smooth data integration with existing systems, enhancing overall data workflows.

South Indian Bank Ltd

Probationary Officer

Mumbai, Maharashtra

Oct 2019 - Dec 2020

- Implemented kiosk banking after branch statistics analysis to improve service delivery, which increased customer satisfaction, and boosted business efficiency.
- Developed people and communication skills, by actively maintaining and nurturing customer relationships.

SKILLS

- **Programming** :Python, Java, C++, Javascript, HTML/CSS, SQL, MATLAB
- **Technical** :Angular, NodeJS, Snowflake DB, Git,
- **Tools** :VS Code, Talend Studio, Apache Airflow, HVR, DBT, Jira, AWS Glue, IAM

CERTIFICATIONS

- **Certified Specialist in Full Stack Development** - ICT Academy of Kerala - 2022
- **SQL** - HackerRank - 2022

ACHIEVEMENTS

- Awarded Performance Band 'A' for 2 consecutive years in work from TCS.
- Received Client Appreciation for outstanding contributions to the project at TCS.
- Received Star of the Month Award from TCS for contribution to Talend Retirement Project.