YUVARAJ SOMASUNDARAM
Azure Data Engineer
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PROFESSIONAL SUMMARY

Azure Data Engineer with over **3 years of experience** in designing and implementing data integration and transformation pipelines using **Azure Data Factory (ADF)** and **Azure Databricks**. Expert in building end-to-end **ETL workflows**, leveraging ADF pipelines, triggers, and data flows for seamless data movement across environments. Proven ability to integrate ADF with **Azure Synapse Analytics** and **ADLS Gen2** to develop automated and scalable data lake solutions.

TECHNICAL SKILLS

- **Data Engineering:** Azure Data Factory (ADF), Azure Databricks, Azure Synapse Analytics, ADLS Gen2, Delta Lake
- **Languages & Tools:** PySpark(python), SQL, Git, GitHub, SourceTree
- **Integration & Front-End:** Kony Visualizer, Kony Fabric, Azure Logic Apps.
- **Core Banking Platforms:** Temenos.
- **Process:** CI/CD practices, ETL development, Data Cleansing, Medallion Architecture (Bronze/Silver/Gold),Data modelling

PROFESSIONAL EXPERIENCE

Aspire Systems, Chennai
Software Analyst | Sep 2022 – Dec 2023
Project : Loan based application

- Developed responsive mobile and web interfaces for loan application workflows using **Kony Visualizer**.
- Ingested application data into **ADLS Gen2** and performed initial validation for data completeness and consistency.
- Created **ADF Data Flows** to implement data cleansing rules, including handling null values, removing duplicates, and standardizing formats.
- Applied transformation logic such as filtering, joins, aggregations, and data type conversions using **PySpark** to ensure high data quality.
- Loaded cleansed data into **Azure Synapse Analytics** to support reporting and visualization through Power BI.
- Collaborated with banking and financial services teams using **Temenos** as a core banking platform.

Software Analyst | Dec 2023 – Present
Project : Retail application

- Designed and implemented secure **data migration pipelines** to move data from on-premises systems to **Azure Data Lake Storage (ADLS Gen2)** using Self-hosted Integration Runtime in ADF.
- Developed **ADF Copy Activities** to extract and load data from multiple on-prem sources into the **Bronze layer** for efficient ingestion.

- Utilized **Azure Databricks (PySpark)** to perform complex data transformations across the **Bronze, Silver, and Gold layers**.
- Automated the loading of curated **Gold layer data** into **Azure SQL Database** via ADF pipelines to enable downstream analytics.
- Integrated ADLS with **Azure Synapse Analytics** to create external tables and views, providing a unified data access layer for analytics teams.
- Configured **event-based triggers** in ADF for real-time, event-driven processing and developed **Azure Logic Apps** for pipeline monitoring and exception handling.

ACCOMPLISHMENTS

- **Role Star Award:** Received at Aspire Systems for dedication and playing a key role in project development.
- **Client Appreciation:** Recognized for high productivity and timely delivery of tasks.
- **Efficiency:** Consistently completed assigned user stories on time with comprehensive unit testing.

EDUCATION

- **B.Tech in Information Technology** | 2022
  Bannari Amman Institute of Technology.