Sirichandana Godavarthi

Azure Data Engineer

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PROFESSIONAL SUMMARY

Azure Data Engineer with 3 years of experience designing and optimizing scalable data solutions on Azure. Expertise in building end-to-end data pipelines using **ADF, Databricks, SQL, Python, ADLS, and Logic Apps**, delivering **40% faster ETL runtimes** and 30% more efficient queries while ensuring **98% SLA compliance**. Proven ability to collaborate effectively with clients and cross-functional teams in **Agile (Scrum/Kanban)** environments with a focus on **CI/CD** and operational excellence.

WORK EXPERIENCE

LTIMindtree | Azure Data Engineer

Client: Procter & Gamble (P&G)   Dec 2022 - Present

- **Modernized legacy data pipelines** with a metadata-driven ADF framework for parallel processing of 8+ countries, cutting **ETL runtime by 40% (6h to 3h)**.
- **Built a scalable data quality framework** (T-SQL + Logic Apps) that improved data accuracy by **40%** and eliminated manual reconciliation.
- **Re-engineered Turbine workflows into Databricks-native pipelines**, consolidating datasets into Delta Lake and improving query efficiency by **30%**.
- **Converted notebooks to modular Python scripts with unit tests**, resolving SonarQube & Snyk issues and strengthening **code quality & security**.
- **Resolved 30+ high-priority user incidents** related to data discrepancies and pipeline failures, achieving a 98% SLA compliance.
- **Delivered 3 end-to-end Azure projects** using **Agile Scrum/Kanban** (sprint planning, weekly client demos, retrospectives) within timelines.
- **Prepared LLDs, SOPs, and KT sessions** for ops team, improving incident handling and reducing onboarding effort for new engineers.

PROJECTS

DATA-Cloud Panel Engineering   Jan 2025 - Present

Technologies: Databricks, PySpark, Azure Blob Storage, PostgreSQL, Azure Key Vault, CI/CD, Git

- **Re-engineered a legacy Turbine-orchestrated pipeline** ("DPF Console"), replacing it with a fully native Databricks workflow using pyspark optimizations to reduce complexity and cost.
- **Developed an automated File_Watcher** to monitor, validate, and route incoming vendor files against contract patterns, triggering downstream processing and reducing manual oversight.
- **Published datasets to Delta Lake in Unity Catalog** using a semaphore-based locking mechanism to ensure data integrity during concurrent writes.
- **Enhanced code quality and security** by converting notebooks into modular Python scripts with unit tests, resolving all SonarQube & Snyk issues.

DATA-FMB-Trade Panel E2E Operations   Oct 2024 - Dec 2024

Technologies: Databricks, PySpark, ServiceNow, Azure Blob Storage

- **Monitored and optimized Databricks jobs** to resolve failures, long runtimes, and performance bottlenecks, ensuring 98% SLA compliance with minimal disruption to workflows.
- **Developed automated validation scripts** to detect nulls/duplicates in key columns, preventing downstream issues and saving 30% of manual effort.
- **Identified root causes and implemented fixes** for recurring job failures by refactoring PySpark logic and optimizing configurations, reducing resolution time by 50%.
- **Optimized Databricks cluster configurations** and usage, improving resource utilization and reducing operational costs.

DATA-FMB-Uploader for PACE   Jun 2024 - Sep 2024
Technologies: ADF, T-SQL, Logic Apps, Azure Key Vault, CI/CD, Git
- **Designed and implemented automated data quality frameworks** using **T-SQL** validation checks (e.g., date overlaps, percentage validations) to ensure accuracy and integrity of incoming data.
- **Integrated Azure Logic Apps** to automatically notify business users of validation failures, reducing manual effort and errors by 40%.
- Built a comprehensive **Upload Audit Trail System** that logged 100% of data upload activities, enhancing transparency and supporting compliance requirements.
- **Orchestrated end-to-end pipeline** execution using Azure Data Factory, improving reliability and ensuring timely processing of data loads.

DATA-FMB-CNOS & GC Consolidated DevOps   Dec 2022 - May 2024
Technologies: ADF, SQL, Python, Azure Databricks, Azure Key Vault,ServiceNow
- **Redesigned legacy pipelines with a metadata-driven framework** in ADF, enabling **parallel processing of 8+ countries** and cutting runtime by **40% (6h to 3h)**.
- **Consolidated 8+ country-specific datasets** into unified Fact/Dim models in Databricks, improving query efficiency by **30%**.
- **Resolved 30+ user incidents (RITMs/emails)** while maintaining 98% SLA compliance, received consistent positive client feedback from clients for ownership, reliability, and timely delivery.

SKILLS

TECHNICAL SKILLS
- **Data Engineering:** ETL/ELT Pipelines, Data Modeling (Fact/Dim), Data Quality Frameworks, Metadata-driven Design, Data Orchestration
- **Azure Cloud:** Azure Databricks (PySpark, Spark SQL, Delta Lake, Unity Catalog), Azure Data Factory (ADF), Azure Data Lake Storage (ADLS Gen2), Azure Blob Storage, Azure Logic Apps, Azure Key Vault
- **Programming & Databases:** Python, SQL (T-SQL), SQL Server, PostgreSQL
- **DevOps & Tools:** Azure DevOps (CI/CD, Sprint Tracking), Git, SonarQube, Snyk, Unit Testing
- **Methodologies:** Agile (Scrum/Kanban), Incident & SLA Management, Root Cause Analysis

SOFT SKILLS
- Communication, Collaboration, Problem-Solving, Requirements Gathering, Deployment Management

EDUCATION

CMR Engineering College, Hyderabad, Telangana

Bachelor of Technology in Computer Science and Engineering - CGPA: 7.84/10   2018 - 2022

CERTIFICATE

- Databricks Certified Data Engineer Associate
- Microsoft Certified: Azure Data Fundamentals [DP-900]
- Microsoft Certified: Fabric Data Engineer [DP-700]