

Taksh Shah

DATA ENGINEER – Microsoft Azure, Databricks, Microsoft Fabric

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📍 Ontario

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SKILLS

- **Programming:** Python, SQL, PySpark, C++ – ETL development, data transformation, SCD implementation.
- **Data Platforms:** Microsoft Azure (ADF, Synapse, Fabric), ADLS Gen2, Azure SQL, Azure Key Vault.
- **Data Engineering Tools:** Databricks, Delta Lake, Fabric Dataflows, Fabric Notebooks, Fabric Warehouse.
- **Pipeline Architecture:** ETL/ELT design, Medallion Architecture, Incremental Loads, Integration Runtime.
- **Project Practices:** Agile, Git, Jira, Confluence, Version Control, Monitoring & Alerting, Documentation.

WORK EXPERIENCE

Technical Support Associate

May 2024 – January 2025

Kelly Connect

Remote, Windsor

- Managed 85% of over 40 daily customer queries involving macOS, iOS, and system-level errors by conducting granular log reviews, device reconfigurations, and session-based walkthroughs to stabilize overall performance.
- Addressed 200+ network incidents such as DNS misroutes, IP address conflicts, and bandwidth throttling by performing layered packet analysis across routers, modems, and firmware logs within user-specific environments.
- Motivated first-call resolution by 15% through structured identification of recurring system faults, leveraging manual device, configuration profiles, and patch file cleanups tailored to specific hardware types and OS versions.
- Designed 12 internal technical documents used by 60+ team members, lowering triage times by 30% during incident surges by introducing indexed fixes, and version-based troubleshooting steps with checksum verification.

Junior Data Engineer

October 2021 – May 2022

Zentech Info. Solutions Pvt. Ltd.

Remote, India

- Developed Azure Data Factory pipelines that ingested and staged 5M+ rows of structured and semi-structured data across CSV, SQL, and API streams, enabling 3x daily refresh cycles with zero latency in critical nodes.
- Processed 200GB transactional data using PySpark in Databricks, applying UDFs, windowing functions, and partition pruning to improve transformation scalability and increase query precision for workflows by 35%.
- Validated over 18K records with custom quality rules that scanned for column nulls, and timestamp misalignments using regex validation and checksum verification, reducing reporting failures by 42% in BI dashboards.
- Optimized Power BI reports by rewriting complex joins, and DAX measures, applying query folding and indexing strategies, reducing refresh lag from 12 minutes to 7 minutes for 15+ visualizations consuming live data.

PROJECT EXPERIENCE

Customer Account Analysis

Data Engineer

- Engineered Azure Data Factory pipeline with SCD Type 1 & 2, integrated with SQL Sink, triggers, and logging.
- Reduced pipeline failures by 30% using Data Flow debugging, robust retry policy configurations, and monitoring.

Financial Data Analysis

Data Engineer

- Built Databricks ETL pipeline for 200K rows/day using Delta Lake, structured streaming, and enforcement.
- Secured pipelines via Azure Key Vault and automated scheduled Power BI refresh with service principal.

Customer 360 Data Integration

Data Engineer

- Integrated multi-source datasets into ADLS using Synapse pipelines, external tables, and optimized indexing.
- Implemented medallion architecture in Fabric, boosting Power BI latency by 40% with query optimization.

Incremental Loading & Notifications in Fabric

Data Engineer

- Automated Lakehouse ingestion via On-prem Gateway, implementing merge logic in PySpark notebooks.
- Triggered Outlook alerts using Fabric Data Activator and custom API endpoints with webhook integration.

ADF & Databricks Migration Project

Data Engineer

- Migrated pipelines, and linked services from Azure Data Factory to Synapse Pipelines using ARM templates.
- Refactored Databricks notebooks using Lakehouse SQL and tested on Fabric Data Engineering workload.

EDUCATION

Master's Degree in Electrical and Computer Engineering

September 2022 – June 2024

University of Windsor, Ontario

CERTIFICATIONS

- **Microsoft Certified: Azure Data Fundamentals (DP-900)**
- **Microsoft Certified: Fabric Data Engineer Associate (DP-700) – In Progress**