

## Professional Summary

Azure Data Engineer with 12+ years of IT experience, including over 6 years in data engineering across Azure and AWS platforms. Expertise in designing, building, and deploying ETL pipelines using Azure Data Factory, Data Lake, Synapse, and SQL Database. Proficient in data migration, transformation, and warehouse development for enterprise clients. Strong background in agile delivery, CI/CD automation using Azure DevOps, and collaborative work with business and reporting teams.

## SKILLS:

- Integration Tool: Azure Data Factory, Talend
- Cloud: Azure (Synapse, Data Lake, ADF, SQL DB), AWS (S3, Redshift)
- Database / Data warehouse: Azure SQL, Azure Synapse , Oracle
- Languages: T-SQL, PL/SQL
- Tools: Azure DevOps, GitHub, Power Automate, Logic Apps, JIRA, Confluence

## Professional Experience

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### ➤ Azure Data Engineer

#### Tata Consultancy Services Ltd | Nov 2022 – Present | Sydney, Australia:

- Working as a TCS consultant for a major Australian retail client, contributing to both development and production support of Azure-based data solutions.
- Designed and implemented robust ETL pipelines using Azure Data Factory to extract, transform, and load data from sources like on premise SQL Server and SFTP into Azure Synapse.
- Managed data cleansing, enrichment, and transformation logic to ensure quality and readiness for downstream analytics and reporting.
- Created and optimized T-SQL scripts, stored procedures, and SQL views to support business reporting and analysis.
- Played a key role in an enterprise-wide transition from Google Workspace to Microsoft 365 by updating over 100 Logic Apps to replace Google connectors with Microsoft connectors.
- Actively involved in identifying, troubleshooting, and resolving production issues to ensure pipeline stability and minimize downtime.
- Used Azure DevOps for CI/CD, version control, and automated deployment workflows.
- Participated in agile ceremonies, collaborated with offshore teams, and maintained strong communication with client stakeholders.

### ➤ Azure Data Engineer (Kolkata, India)

#### Tata Consultancy Services Ltd | Jun 2020 – Oct 2022 | Kolkata, India:

- Collaborated with business stakeholders to gather and translate data migration requirements for a major utility client, ensuring alignment with organizational goals.
- Designed and developed end-to-end ETL pipelines using Azure Data Factory (ADF) to migrate data from various on-premises and cloud-based sources into Azure SQL Database.
- Implemented complex data transformation, cleansing, and validation logic to ensure the accuracy, consistency, and reliability of migrated datasets.
- Created and optimized T-SQL database objects—including stored procedures, tables, views to support performance-efficient data structures post-migration.
- Performed comprehensive unit testing and data validation to proactively identify and resolve data discrepancies prior to go-live.

➤ Application Support Analyst - Talend Developer

Tata Consultancy Service Ltd | Nov 2018 – May 2020 | Kolkata, India:

- Provided application support for ETL workflows using Talend, ensuring smooth operations and timely issue resolution.
- Managed Talend Administration Center (TAC) for scheduling and deploying ETL jobs across environments.
- Troubleshooted and resolved data processing issues, ensuring data accuracy and reliability.
- Conducted routine testing and validation of ETL processes to maintain operational efficiency.

➤ ETL / Database Test Analyst

Tata Consultancy Service Ltd | Sep 2012 – Oct 2018 | Kolkata, India:

- Designed and executed functional, regression, and system test cases focused on ETL workflows, data migration, and BI validation projects.
- Validated data accuracy, completeness, and transformation logic by writing SQL queries to compare source vs. target datasets across staging, transformation, and reporting layers.
- Created and maintained traceability matrices to ensure complete test coverage for data and business requirements.
- Logged and tracked data-related defects using ALM, and participated in defect triage meetings to ensure timely resolution.
- Collaborated with ETL developers and business analysts to validate business rules, data mappings, and ensure end-to-end data integrity.
- Conducted demos of validated data pipelines and BI reports for business users, and supported UAT and post-deployment verification.

## EDUCATION

- B.Tech. (Information Technology) from Calcutta University in 2012 with 8.21.
- B.Sc. (Electronics) from Calcutta University in 2009 with 64.25%.

## CERTIFICATIONS

- Certified in Microsoft Azure Fundamentals
- Microsoft Certified Azure Data Engineer
- Certified in International Software Testing Qualification Board (ISTQB)

## Visa Details

- TSS - 482 Primary Visa Holder Valid till 31<sup>st</sup> May'2026

## Reference

Available upon request