

BALAMURUGAN

Azure Data Engineer

CONTACT

+91 9092884571

baladeva6010@gmail.com

Chennai

PROFILE SUMMARY

Total experience **8+ years** and in relevant IT experience of **4+ years** in implementation of Data warehousing projects in **Cloud & on-prem platforms** using Microsoft Business Intelligence tools like **SQL Server, Azure Data service** in building scalable and high-performance data pipelines, working with large datasets, and ensuring data availability and integrity. Adept at transforming raw data into actionable insights through advanced ETL processes and real-time analytics.

EDUCATION

2013 - 2015

DG VAISHNAV COLLEGE

- Master of Business Administration

2009 - 2012

DG VAISHNAV COLLEGE

- Bachelor of commerce

TECHNICAL SKILLS

Cloud Platforms :

- Azure Data Factory
- Azure Data Lake
- Azure SQL Database
- Azure Blob Storage

Data Engineering Tools :

- Azure Data Factory
- Azure Databricks
- Azure synapse analytics
- Pyspark
- Power BI

Programming Languages :

- Python
- SQL

Data Modelling & ETL:

- Data Warehousing
- ELT/ETL Design & Development
- Data Transformation

WORK EXPERIENCE

Teleperformance Pvt Ltd

24 JAN 2024 - 02 OCT 2024

Azure Data Engineer

Project : EverBank

- Worked on **Azure data factory (ADF)** and **Azure SQL Server, Azure Data Lake Store, Azure Blob Storage Account**.
- Building the pipelines to copy the data from source to destination in Azure Data Factory
- Built distributed data processing pipelines using PySpark
- Automated data ingestion workflows using **Azure Data Factory** and **Databricks** Notebooks.
- Expertise in creating, maintaining database objects like **Tables, Stored Procedures, Indexes, Functions, Views, User defined data types and functions, constraints**.
- Experienced in different environments (Dev, Stage, UAT and Production) configuration.
- Good Experience in writing **MS SQL** queries by using various Joins, Sub queries and Stored Procedures with parameters.
- Created automated data quality checks using Python and Great Expectations
- Developed and optimized PySpark-based ETL pipelines for processing large-scale datasets
- Improved query performance using partitioning, bucketing, and caching
- Built and deployed machine learning models in **Databricks** and Python libraries like Scikit-learn.
- Designed dashboards in **Power BI** to visualize key metrics and enable data-driven decisions.

Motifworks Pvt Ltd

10 AUG 2022 - 20 JUN 2023

Azure Data Engineer

Project : Arvest Bank

- Design and implement end-to-end data pipelines on Microsoft Azure using Azure Data Factory for **ETL processes, integrating data** from various sources including on-premises **SQL databases and cloud storage**

Databases & Data Warehouses:

- SQL Server
- Azure SQL Database
- MySQL

Version Control & Collaboration :

- Git
- GitHub
- Azure DevOps

Operating Systems :

- Windows

- Worked with **Azure SQL Database and Azure Blob Storage** to optimize data storage, backup strategies, and security protocols.
- Collaborated with data scientists to support machine learning workflows by providing clean and transformed datasets in a timely manner.
- Developed and managed data pipelines using Azure Data Factory to integrate data from multiple sources (SQL Server, Oracle, APIs) into Azure Synapse Analytics for analysis.
- Integrated **Power BI** with multiple data sources, including SQL databases, Excel, and cloud-based platforms like Azure.
- Monitored and troubleshooted data pipelines to ensure data quality, integrity, and availability.
- Experience with Delta Lake for data versioning, auditing, and efficient queries.
- Optimized Spark jobs for performance and cost efficiency.

Bny Mellon

19 SEP 2016 - 8 SEP 2022

Intermediate Representative

Project : BNY Mellon

- Experience in using various activities present in ADF pipeline like **Copy Data, execute pipe Line, Execute Stored Procedure, Get Meta data, Lookup, Web for sending Email, For Each Iterator, If Condition** etc.
- Experience in ETL processes. Worked extensively on **Data Extraction, Transformation and loading** from different data sources using ADF.
- Developed and implemented automated SQL scripts to handle routine data extraction, transformation, and loading tasks, eliminating manual data processing and reducing errors.
- Utilized SQL Server Agent and Stored Procedures to schedule and automate data integration tasks between SQL Server, cloud storage, and external APIs.
- Utilized advanced SQL queries (JOINS, subqueries, CTEs) to extract and manipulate large datasets from multiple sources (SQL Server, MySQL, Oracle).
- Developed SQL-based validation rules and automated scripts to detect discrepancies and ensure data integrity in business-critical reports.
- Built data quality checks and automated alerting mechanisms within SQL scripts to ensure data integrity and notify the team of any discrepancies or errors during the automation process.

Project : IRA Quality control

- Complete analysis of transactional information to identify risks, trends, and potential suspicious activity related to money laundering, terrorist financing, and other criminal activities
- Quality check and review of work performed by staffs for high dollar transaction to avoid the gain & loss.
- Monitor and analyze specific customer transactions and information in a timely manner to determine if unusual account
- Conduction time huddle in weekly basis and checking every one performance in monthly basis, also those details are recorded in data.

Grofers

AUG 2015 - FEB 2016

Fullfill manager

- Team management in delivery boys and shoppers
- Verify the purchase and sales reports
- Handling cash management, pay roll, accounts payable& receives

DECLARATION

I do hereby declare that the information and facts stated above are true and correct to the best of my knowledge and belief.

Regards,
(Balamurugan)