

ASHOK KUMAR T

AZURE DATA ENGINEER

+91 97414 15104 **Email ID:**sriashokkumart@gmail.com

PROFILE SUMMARY

- 14 years of overall experience which includes 8 Plus Years of experience in azure cloud, BigData, Data Ingestions, azure data factor, Azure Databricks, Azure functions, Azure KeyVaults, Azure Logic Apps, Azure Data Lake Storage, Azure Synapse etc.
- Azure SQL Database and Data ware house.
- Helping data scientists by preparing the data and automating the data pre-processing pipelines.
- Understanding customer DB SQL server landscape.
- Configuring and Administering Security/Policies/Resource Governing/Azure Key Vault.
- Migrating SQL Server from On-Premises to Azure Cloud using DMA, DMS, Azure Data Studio, Log shipping, Backup & restore and various other migration methods.
- Hands on experience on Windows and SQL server issues and troubleshooting.
- Design, implement and operate database systems for performance and reliability in Azure.
- On-Prem/Cloud upgrade of SQL Server from Legacy version to latest versions in Azure.

PROJECT EXPERIENCE

July 03rd 2024 – Till date

Design : Assistant Manager

Lavyuk consultancy services private limited | Bangalore, India

Client : Project5,Unilever, July 2024 – till date.

CFRole : Lead Azure Data Engineer

Roles & Responsibilities:

- Created Azure Data Factory ETL pipelines to load data from Amazon S3 bucket to Azure Data lake and SQL DB.
- Data ingestion from different source to one single source.
- Creating Azure Pipelines in ADF using Linked Services/Datasets/Pipeline/ to Extract, Transform and load data from different sources like Azure SQL, Blob storage, Azure SQL Data warehouse.
- Worked on Azure SQL DB Migrations from On Premise, Using Data Migration Assistant Tool.
- Experience on Azure SQL DB Exports & Imports.
- Integrate new data sources with existing data on multiple platforms (SQL on-premises, Azure, Cosmos etc.).
- Created external tables in Azure SQL DW on the files stored on Azure BLOB storage.
- Data ingestion to one or more Azure Services- (Azure Data Lake, Azure Storage, Azure SQL, Azure DW).
- Knowledge on Azure SQL Database Loads to Synapse DWH
- Worked directly with the clients for business understanding and designing the solution.
- Knowledge on Azure SQL Database Loads to Synapse DWH.
- Knowledge on Azure Data Share: Configuration.
- Experience on creating notebooks, managing clusters in Databricks.
- Experience on creating secrets in Key Vaults and connecting them to carious Azure Resources using Linked Service.

- Continuously optimize the performance of data pipelines and queries using Python and related tools, while monitoring system performance to troubleshoot issues, ensuring reliability, and minimizing downtime.
- Collaborate with teams to design and implement solutions for integrating Python-based data workflows with cloud platforms like Azure, AWS, and Google Cloud, managing large datasets in SQL/NoSQL databases or cloud storage systems
- Build and maintain efficient ETL (Extract, Transform, Load) pipelines using Python to process large-scale datasets, ensuring timely data ingestion and transformation across various data sources (e.g., databases, APIs, cloud storage).
- Developed and maintained scalable data pipelines using PySpark on Azure Databricks or Azure Synapse Analytics for processing large volumes of structured and unstructured data
- Implemented ETL (Extract, Transform, Load) processes in PySpark, ensuring data is transformed, cleaned, and moved efficiently across the data architecture.
- By Using Azure Data Factory to orchestrate data flows and integrate PySpark jobs into larger workflows.
- Loading data from on-premise sql server to azure data warehouse (ADW) using azure data factory (ADF).
- Loading data from different source to staging server using SSMS.
- Having good knowledge on pointing relationship to dimensions and fact table.
- Creating end to end pipelines using ADF and Linked services and Datasets.
- Migrating the data from different environment to one environment.
- Data ingestion from different source to one single source. .
- Migrating data from onprem to Microsoft cloud.
- Used azure key vault.
- Worked on Github integration in ADF.
- Copying data to landing folder in ADLs gen 2 and Designing and implementing on ETL/ELT Task.
- Helping Team Members and handling the escalationCreated single source of truth for multiple data sources across supply chain.
- Created end to end ADF pipeline to read data from multiple sources and calling notebook to perform further processing.
- Data ingestion from different source to one single source.
- Developed logic App for alerts mechanism.
- Worked directly with the clients for business understanding and designing the solution.
- Knowledge on Azure SQL Database Loads to Synapse DWH.
- Knowledge on Azure Data Share: Configuration.
- Experience on creating notebooks, managing clusters in Databricks.
- Experience on creating secrets in Key Vaults and connecting them to various Azure Resources using Linked Service.

July 30th 2021 – March 28th 2024

Design : Assistant Manager

Lavyuk consultancy services private limited | Bangalore, India

Client : Unilever, Project4, Sept 2022 – March 2024,

CFRole : Lead Azure Data Engineer

- Designed and implemented end-to-end data solutions on the Microsoft Azure platform, leveraging services such as Azure Synapse Analytics, Azure Data Factory, Azure Databricks, and Azure SQL Database.
- Developed scalable and efficient data pipelines using Azure Data Factory to orchestrate the extraction, transformation, and loading (ETL) of data from various sources into Azure data warehouses and data lakes.
- Implemented data integration solutions to ingest, process, and analyze diverse data types including structured, semi-structured, and unstructured data from on-premises and cloud-based sources.

- Created and optimized data models to support business reporting and analytics requirements, ensuring data accuracy, consistency, and performance.
- Implemented advanced analytics and machine learning solutions using Azure Machine Learning and Azure Databricks to derive actionable insights and predictive analytics from large datasets.
- Implemented data security, governance, and compliance measures to protect sensitive data and ensure regulatory compliance, including encryption, access controls, and auditing.

Client : Project3, 07/2021 - 08/2022,
CFRole : Technical Lead - Data Engineer

- Hands on experience on Windows and SQL servers issues and troubleshooting.
- Design, implement and operate database systems for performance and reliability in Azure.
- On-Prem/Cloud upgrade of SQL Server from Legacy version to latest versions in Azure.
- Understanding customer DB SQL server landscape.
- Configuring and Administering Security/Policies/Resource Governing/Azure Key Vault.
- Migrating SQL Server from On-Premises to Azure Cloud using DMA, DMS, Azure Data Studio, Log shipping, Backup & restore and various other migration methods.
- Installing and configuring SQL Server all the version Good understanding of Database Performance using various tools

Aug 6th, 2018 – Jan 6th 2021

Design : Team Leader

Capgemini Business Services (India) Ltd | Bangalore, India

Client : Project1, 08/2020 - 01/2021,

- Have built and maintained SQL/Pyspark scripts, indexes and complex queries for Data analysis and Data extraction.
- Good analytical, debugging & problem solving skills. Has the ability to work with a team or as an individual.
- Customer-focused, highly organized self-starter with effective customer-service skills.
- Handled multiple project requests at a time and having good experience in multi-vendor and multicultural environments.
- Created multiple end to end pipeline in ADF based on different business scenarios.
- Created dynamic pipelines, linked services, Datasets, to handle different scenarios with lesser pipelines.
- Helping data scientists by preparing the data and automating the data pre-processing pipelines.
- Azure Sql Database and Data ware house.
- Source system Analysis, Design and implement scalable and efficient data pipelines and Data visualization.

Client : Project2, 11/2019 - 07/2020,

Cloud Engineer,

- Design, implement and operate database systems for performance and reliability in Azure.
- On-Prem/Cloud upgrade of SQL Server from Legacy version to latest versions in Azure.
- Conforming to client compliances and expectations.
- Perform Pre-migration, cutover and post migration activities
- creating new pipeline for extracting the data from different sources.
- Processing big data on apache spark.
- Data ingestion from different source to one single source.
- Loading data from source system to azure data warehouse (ADW) using azure data factory (ADF) and Azure Data Bricks (ADB)
- Built a supplier recommendation engine on Databricks by reading data from bronze doing transformations in silver and performing business use case in Gold layer.

Client : Project1, 08/2018 - 07/2019,

Data engineer

- Creating new pipeline for extracting the data from different sources.
- Processing big data on apache spark.
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- Loading data from source system to azure data warehouse (ADW) using azure data factory (ADF) and Azure Data Bricks (ADB)
- Built a supplier recommendation engine on Databricks by reading data from bronze doing transformations in silver and performing business use case in Gold layer.
- Loading data from different source to staging server using ADF pipeline's
- connect with business analyst and understand the data model based on that create mapping documents with transformation logic.

April 15th, 2009 – Aug 9th 2017

Design : Financial Associate 5

DXC.Technology previously known as Hewlett Packard Enterprise | Bangalore, India

Client : OfficeDepot, Oct/2015 - Aug/2017,

Data engineer

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Client : PnG, Nov/2014 - Sept/2015,

SQL DEVELOPER

- Worked with clients to gather user requirements and identify new database features, adding capabilities to new or existing databases.
- Wrote and updated documentation outlining database changes and improvements to guide end-users and technical staff.
- Partnered with project management teams on developing scope and completion timelines to facilitate timely delivery of projects.
- Designed stable, reliable and scalable databases for handling large-volume transactions using specialized tools and frameworks.
- Researched new technologies to understand and capitalize on improved caching, redundancy and reliability for fast data storage and retrieval.
- Assessed customer needs and goals through communication and system evaluations to modify existing databases for personalized customization.
- Organized and structured company data for better database performance, stability and resilience, facilitating easy access to information.
- Originated complex functions, scripts and stored procedures to support application development efforts.
- ☐ Implemented controls and constraints on database transactions to maintain data quality and integrity.

- Developed, designed and optimized data structures for analysis.
- Identified databases not reaching peak performance and determined ways to solve concerns.
- Modified databases to satisfy user requests for performance, stability or search, testing modifications to verify fulfilment of requirements.
- Built integrations with multiple data sources to facilitate information retrieval, transfer and storage.
- Assisted clients in understanding and manipulating data to gain value using technical processes and visual analytics tools.

Financial Reporting roles: INTERNAL APRIL 2009 - 2014

- Managed a team of 14 members in the EMEA region, ensuring efficient operations and team cohesion.
- Reviewed and approved billing contracts and orders in SAP, maintaining accuracy and compliance with financial regulations.
- Conducted controls and compliance audits to ensure adherence to established standards and mitigate risks.
- Led the implementation of the GBR tool as an SSC deployment lead, resulting in the release of 38 FTEs and increased operational efficiency.
- Effectively communicated business strategy updates and changes to team members to ensure alignment and understanding.
- Led the month-end-close and invoicing cycle for assigned contracts, conducting variance analysis and reporting as a subject matter expert.
- Identified opportunities for process improvement and policy development, actively engaging in design and implementation efforts.

TECHNICAL SKILLS

Programming Languages: SQL, Python and PySpark.

Tools and Skills: Azure Data Factory, Azure Databricks, Visual studio code, Data Modelling, Data Warehouse and Database, Data Lake and Delta Tables and Delta Lake, SSMS, Azure Data Lake Storage, Azure Synapse Analytics, Apache Spark. Datascience.

EDUCATION

MBA | Bharathidasan University | 2006 TO 2008

M.Com | University of Madras | 2003 to 2006

B.com | Sri Venkateswara University| 1997 TO 1999

PERSONAL INFORMATION

- Gender : Male
- Nationality: INDIAN
- Marital status: Single
- DOJ : 02nd April 1977
- FATHER : Thangadorai K

LANGUAGES

English, Kannada and Hindi, Telugu and Tamil.

DECLARATION

I hereby state that all the information noted above is accurate to the best of my knowledge and I take full responsibility for the correctness of the information.

Location: Bengaluru

(Ashok T)