Ashish Purohit (Manager, Data Management)

+91 94138 46168

ashishpurohit3007@gmail.com

https://www.linkedin.com/in/ashishpurohit30

PROFESSIONAL SUMMARY

- Around 7.5+ years of experience in designing, implementing and developing data pipelines, ETL workflows and cloud-based data solutions using Azure.
- Proficient with numerous Azure Data Services used to build and maintain a Data Warehouse or Lakehouse.
- Successfully led data migration and integration projects from on-premises to cloud platforms, ensuring minimal downtime and data integrity.
- Created a custom solution for automating the deployment process of data pipelines from scratch enhancing operational efficiency and robust deployment process.
- Proven ability to work with cross-functional teams spanning across multiple geographies and collaborate with stakeholders to deliver high-impact and error free solutions.
- Onboarded and mentored junior engineers, fostering team collaboration enabling successful project delivery with minimal errors.
- Worked as a DevOps Engineer to build CI/CD pipelines for migrating resources from both Azure Synapse Analytics and Azure SQL Data Warehouse and devised a robust branching strategy to support parallel development across multiple teams.
- Created several presentations and took multiple sessions for client team as well as internal team to brief them about the DevOps process and bring them on-board with the Version Control System.
- Played a key role in migrating legacy BI system from on-premises to Azure cloud which involved migrating a data warehouse holding around 4TBs of data, more than 120 data pipelines and close to 60 Dims and Fact tables.
- Actively involved in conducting L1 & L2 technical interviews for data engineering roles assessing candidates on their technical expertise, problem solving skills and suitability for organization's culture.
- Mentoring 4 direct reportees beyond project work, providing guidance on technical skills, career development, project execution and inter/intrapersonal skills.
- Worked with multiple clients from Pharma and Finance domains to design high-level architectures for their data solutions, assessing platform for any risks and ensure scalability, performance and alignment with business objectives.

KEY SKILLS

Data Warehousing & Business Intelligence
ETL/ELT
SQL
Python
Git/GitHub
Azure IaaS/Paas
PySpark/Spark SQL
Azure Data Factory
Azure Synapse Analytics
Azure SQL Data WareHouse
Azure SQL Database
Azure Data Lake
Azure Databricks
Azure DevOps
Azure Monitor
Azure Logic Apps

EDUCATION

Bachelor's in Computer Engineering
(07/2013 – 06/2017)
JECRC Jaipur, Rajasthan Technical University

HSC (2013)
Central Board of Secondary Education

SSC (2011)
Central Board of Secondary Education

Position of Responsibilities

Jan'24 – Present   Data Engineering Manager, Data Management
Jan'22 - Dec'23   Senior Consultant, Data Management
Jun'20 - Dec'21   Consultant, Data Management

Lead Data Engineer & ETL Developer (Global Pharmaceuticals Company)

- Led the design and development of all the data ingestion pipelines for the LakeHouse using Azure Data Factory.
- Connected to more than 8+ source systems behind private networks for ingestion and built more than 20 pipelines to fetch data from the source, allowing both full loads and incremental loads based on parameterization.
- Ingest the data in an industry-standard format in Azure Data Lake solution for further processing to delta tables in Azure DataBricks.
- Built a single, custom Trigger Pipeline binding all the ETL pipelines and accepting parameters for differential runs, scheduling them to run at different times, kicking off data ingestions from different plants using the same pipeline.
- Enabled logging and alerting at the pipeline level for each pipeline. For every failure, an alert was sent via the pipeline to Splunk, and for every failed trigger run, email alerts were triggered using metadata from the failed run.
- Wrote stored procedures in T-SQL using Azure SQL Database to accept input from Azure Data Factory as their parameters and enable high-level logging using ingested file's metadata.
- Created maintenance pipelines to clean Data Lake Storage of processed files based on a timestamp basis.
- Created PySpark notebooks in Azure DataBricks to process data from the Data Lake and ingest into Delta Tables for further processing.
- Used Medallion Architecture to ingest data in the Lakehouse, bifurcating tables in Bronze, Silver, and Gold Layers.
- Designed a custom CI/CD solution to migrate data pipelines and datasets from lower environments to higher environments using the concept of IaC (Infrastructure as Code) allowing partial migration which is not supported out of the box by Microsoft.
- Continuously working with the infra team to ensure Infra costs are under check and acting as a first responder in case of any Production/QA pipeline failure.

Sr Data Engineer & DevOps Engineer (Auto Auctions Firm (US))

- Worked as Sr Data Engineer for a major US based Auto Auctions Firm migrate their legacy BI solution from On Premise to Azure Cloud.
- Responsible for transforming SSIS packages into data pipelines replicating the original functionality using Azure Synapse Analytics.
- Re-wrote Stored Procedures from legacy T-SQL dialect to Azure SQL Data Warehouse dialect mimicking legacy functionality and ensuring all the Dims and Facts populated by the cloud system matches the original tables.
- Worked closely with the platform owner and helped stabilize the platform and ensure reports going to C-level executives were precise and error free.
- Debugged and rectified more than 60 Stored Procedures, ensuring KPI tables always report the correct data fetching data from all the Dims & Fact tables.
- Built multiple pipelines from scratch to handle corrupted files via ingestion, data validation and enable real time activity logging for Power BI workspace using REST API.
- Built CI/CD pipelines to migrate data pipelines and Stored Procedures from lower environments to higher environments and parameterizing all the service connections/authentications as part of the process.
- Devised a branching strategy for both Azure Synapse and Azure SQL Data Warehouse infrastructure, ensuing multiple team members can work simultaneously without errors and merge conflicts.
- On boarded three junior data engineers and groomed them on the project from end to end.

PRIOR EXPERIENCE   **ACCENTURE** (May'2017 -June'2020)

Application Development Analyst

- Worked as a full-stack developer for a US based Digital Marketing company.
- Worked with the team to migrate and add multiple functionalities from AngularJS to Angular 6.
- Worked on multiple internal projects using Angular, NodeJS and Mongo DB.

ACHIEVEMENTS & EXTRA CURRICULAR

- Received the first Founder's Award for exceptional performance for the year 2023, working with multiple clients and handling multiple projects simultaneously.
- Received numerous appreciations including multiple monetary bonuses for exemplary work, living up to the organization's Core Values and demonstrating ownership during the project tenure.
- Secured 'III' position in VI Sem and received Director's medal for excellence for the same.