

CAREER OBJECTIVE

Supply Chain Manager with 11 years of overall experience, including 4 years of specialized expertise as an Azure Data Engineer. Adept at leveraging SQL Server, Python, PySpark, and Azure services (ADF, ADB, ADLS Gen2) to design, develop, and implement scalable data solutions that drive efficiency and optimize supply chain operations. Proven track record of delivering data-driven insights, automating workflows, and enhancing decision-making processes to achieve business goals. Skilled in end-to-end data pipeline development, data modeling, and analytics, with a strong focus on innovation and operational excellence.

EXPERIENCE SUMMARY

- **Greenrise infrastructures Self Employed From May 2023 to Till date**
- **VMWare Inida Pvt.Ltd as Azure Data Engineer From May 2022 to May 2023**
- **Genpact LLC as Azure Data Engineer From July 2018 to May 2022**
- **SKF India Limited as Supply Chain Analyst From August 2015 to July 2018**
- **Jamipol Limited as Officer Procurement From May 2014 to July 2015**
- **RSB Transmissions Limited as Engineer Materials From July 2011 to June 2014**
- Designed and implemented ETL pipelines to process structured and unstructured data using Azure Data Factory and Databricks.
- Leveraged PySpark on Azure Databricks for data transformations and performance optimization.
- Configured and managed data storage in Azure Data Lake Storage Gen2, ensuring secure and efficient data handling.
- Developed SQL-based solutions for seamless data migration and transformation from on-premises systems to Azure environments.
- Automated workflows and data pipelines to enhance operational efficiency and reliability.
- Consolidated supply chain data from ERP systems and transactional databases into centralized pipelines.
- Automated real-time ETL workflows for inventory and demand planning using Azure Data Factory.
- Designed and developed dashboards in Power BI to monitor supply chain KPIs, including lead time and inventory turnover.
- Conducted predictive analytics using PySpark to forecast demand patterns and optimize inventory levels.
- Led sourcing strategies for high-value CAPEX portfolios, focusing on supplier diversification and negotiation strategies.
- Managed procurement operations for raw materials and MRO in the chemical sector, streamlining supply chain processes.
- Structured inventory policies, including setting reorder points and safety stock levels, to improve inventory management.
- Assisted in launching ERP software for a Hyderabad-based company, contributing to its rollout in the fertility domain.
- Collaborated with cross-functional teams to define data requirements and architect scalable solutions tailored to business needs.
- Conducted extensive data validation and implemented quality checks to ensure data accuracy and integrity across ETL pipelines.
- Integrated advanced analytics solutions into Azure environments to support predictive modeling and real-time reporting capabilities.
- Played a key role in optimizing supply chain operations by developing automated solutions for demand forecasting and order fulfillment.
- Supported cloud migration initiatives by modernizing legacy systems and streamlining processes using Azure-native tools and technologies.
- Launched and managed a real estate venture, creating an online platform connecting contractors and skilled workers for residential and commercial projects.

TECHNICAL SKILLS

- **Programming & Data Engineering:** Python, SQL, Azure Data Factory (ADF), Azure Databricks (ADB), PySpark, Apache Spark, Big Data Analytics
- **Cloud Technologies:** Azure Data Lake Storage Gen2 (ADLS Gen2), Cloud Data Migration and Management
- **Databases & Tools:** SQL Server, MySQL, SAP MM, SAP ARIBA
- **Data Visualization:** Power BI
- **Supply Chain Management:** Demand Planning, Supply Chain Planning, Stakeholder Management, Strategic Sourcing, Procurement Operations, Inventory Optimization
- **Other Tools & Certifications:** ERP Tools, MS Office, Certifications in Product Management, Management Consulting

PROJECTS

Project 1: Development of Scalable Data Pipelines

Project Description:

Designed and implemented scalable ETL pipelines to efficiently process both structured and unstructured data from on-premises systems to Azure. Focused on optimizing data transformations and ensuring security and accessibility in cloud storage.

Roles and Responsibilities:

- Designed and implemented ETL pipelines for structured and unstructured data.
- Utilized PySpark on Azure Databricks to optimize data transformations for performance improvement.
- Configured Azure Data Lake Storage Gen2 (ADLS Gen2) for secure and accessible data storage.
- Developed SQL-based solutions for data extraction, transformation, and loading (ETL) from on-premises systems to Azure.
- Conducted performance tuning to enhance pipeline speed and reliability.
- Automated workflows to reduce manual effort and improve operational efficiency.

Tools and Techniques:

- **Tools:** Azure Data Factory (ADF), Azure Databricks (ADB), Azure Data Lake Storage Gen2 (ADLS Gen2), SQL Server
- **Techniques:** PySpark, SQL, ETL, Data Transformation, Performance Tuning

Project 2: Data Migration and Support

Project Description:

Led the migration of data from on-premises SQL Server to Azure Data Lake Storage Gen2, ensuring data integrity and minimal downtime during the process. Provided support for live data systems and troubleshooting of issues.

Roles and Responsibilities:

- Migrated data from on-premises SQL Server to Azure Data Lake Storage Gen2 using Azure Data Factory (ADF) pipelines.
- Conducted data profiling and validation to ensure accuracy during migration.
- Developed reusable Python scripts to automate and handle errors in data pipelines.
- Provided ongoing support for live data systems, troubleshooting issues and resolving discrepancies.
- Performed incremental data loads to minimize downtime and ensure business continuity.
- Documented pipeline architecture and provided support workflows for maintenance.

Tools and Techniques:

- **Tools:** Python, SQL, Azure Data Factory (ADF), Azure Data Lake Storage Gen2 (ADLS Gen2), SQL Server
- **Techniques:** Data Migration, Data Profiling, Automation, Error Handling, Incremental Loading

Project 3: Supply Chain Data Analytics and Automation

Project Description:

Developed a data pipeline to automate supply chain analytics, consolidating data from various sources and providing real-time insights for demand planning and inventory optimization.

Roles and Responsibilities:

- Built a data pipeline to consolidate supply chain data from multiple sources, including ERP systems and transactional databases.
- Automated ETL workflows using Azure Data Factory (ADF) to handle real-time data updates for inventory and demand planning.
- Designed and developed interactive dashboards in Power BI to visualize KPIs such as lead time, inventory turnover, and supplier performance.
- Used PySpark to perform predictive analytics, forecasting demand patterns to optimize inventory levels.
- Enhanced data accuracy by implementing validation scripts, reducing data discrepancies by 20%.

Tools and Techniques:

- **Tools:** Power BI, Python, SQL, Azure Data Factory (ADF), PySpark
- **Techniques:** Data Pipeline Automation, Predictive Analytics, Data Validation, Data Visualization, Power BI Dashboards

EDUCATION

- Biju Patnaik University of Technology | B.Tech in Mechanical Engineering | 2010