PIKESH MAHARJAN

 Al Riga, Dubai, United Arab Emirates ✉ pksmaharjan.pm@gmail.com 📱 542952047 in/pikesh-maharjan-6022341b4 ☁ www.pikeshmaharjan.com.np

SUMMARY

Data Engineer & Microsoft Certified Power BI Data Analyst with 6 years of experience designing automated ETL pipelines, building scalable data systems, and delivering actionable business insights for enterprise clients in retail, healthcare, and staffing domains. Certified in Azure Data Fundamentals and Power BI Analyst, with strong expertise in SQL, Python, PySpark, SSIS, Actian DataConnect, Control M, Air Flow, Azure Data Factory, Power BI, and Tableau.

Skilled in transforming unstructured and messy datasets into reliable, high-quality data models, building interactive dashboards, conducting statistical analysis, and optimizing large-scale data pipelines. Experienced in writing complex SQL queries, stored procedures, automating workflows, creating KPI-driven reporting systems, and collaborating with cross-functional teams to support decision-making, with strong analytical and problem-solving abilities. Recognized for excellent communication skills and effective team collaboration to deliver reliable and scalable data solutions.

SKILLS

PostgreSQL, Oracle, SQL Server, SSIS, Control-M, Actian DataConnect, Microsoft Azure (Azure Data Fundamentals, Azure Data Factory)

Automation and Scheduling: Control M, Task Scheduler, Airflow, Azure Data Factory and SQL Server agent

Scripting: Python, Pandas, PySpark, PowerShell, T-SQL

Visualization: Power BI, Tableau, Python Libraries (Matplotlib)

Tools: Git/Bitbucket, Jira, Tableau, SSMS, VsCode, Visual Studio

Data pipeline automation, Data Quality, Reporting, Performance Optimization, KPI Definition, Dashboarding, Trend Analysis, Problem-solving with large and complex datasets, Mentoring and training junior engineers, Cross-functional and distributed team collaboration

EXPERIENCE

Senior Data Engineer
Infinite Computer Solutions (COTIVITI)
February 2021 – Present

Data Engineering Achievements
• Designed and Automated ETL Mappings using ADF, SSIS and Data Connect for retail clients (Amazon, Walmart, Home Depot), processing 100GB+ of data and emails daily.
• Automated end-to-end ETL workflows using Control-M, Python and Azure Data factory triggers, reducing manual effort by 40%.
• Developed complex T-SQL scripts including complex stored procedures, views, CTE to support data transformation and Automated reporting.
• Optimized multiple legacy processes by designing and implementing automated SQL and Python scripts, increasing efficiency and eliminating manual tasks.
• Implemented rule-based and dynamic data validation logic using Python and SQL scripts to ensure integrity of incoming and outgoing data.
• Developed mappings for diverse data sources, including Oracle dump, SQL Server backup, Binary files, EDI files and various file formats including CSV, TXT and excel files.
• Migrated legacy SSIS workflows to Azure Data Factory Pipeline, enabling scalable, cloud-based data integration.
• Tracked changes and coordinated updates for ETL packages via Git and Bitbucket, improving code management and team efficiency.
• Built a System using SQL and Python to track Turn Around Time of File Received.
• Eliminated 100% of manual QC efforts by developing an automated data validation and reporting system, ensuring faster and error-free data quality checks and adopted across multiple teams to standardize validation processes.

Data Analytics and Insights
• Developed interactive dashboards and reports using Power BI, SQL, and Python, enabling to monitor ETL Processes in real-time.
• Automated data visualization pipelines using Python Scripting reducing manual report generation time by 50%.
• Designed and deployed Power BI dashboards to visualize retail data metrics, enabling BSA to track key Metrics and ETL pipeline.
• Built QC scripts that detected issues such as schema mismatches, column-level data type shifts, delimiter inconsistencies, missing values, and volume variances, preventing downstream ETL failures.

Cross-Functional Impact
• Led the UAT process and developed an automated QC script for ETL tool migration from Actian to SSIS, reducing task time by 70%.
• Delivered training on internal tools, SQL, and ETL processes, and created onboarding guides that accelerated new hire ramp-up time.
• Collaboration with cross functional teams on various Projects such as ETL Tool Migration, File Layout Management System etc.

Junior Data Engineer
Impetus Incorporation
February 2020 - January 2021

• Leveraged SSIS packages for efficient data migration tasks, contributing to project success.

• Normalized data structures and optimized queries and stored procedures for improved performance.

• Facilitated data migration to Avionte standard (Staffing solutions) using T-SQL, ensuring seamless transitions.

• Provided production support and root-cause analysis for data pipeline failures.

• Created SQL-driven reports and Power BI dashboards summarizing ETL pipeline performance, supporting faster decision-making.

• Performed comprehensive financial data validation between client systems and Avionte, identifying and resolving discrepancies to ensure 100% accurate migration.

• Developed interactive Power BI dashboards to monitor ETL pipeline performance and financial data quality, enabling proactive decision-making.

• Implemented version control best practices for SQL scripts, reducing conflicts and improving code management across the ETL team.

EDUCATION

Master's in Computer Science

IIMS , Lincoln University

2023-2025

Thesis: End-to-End Automation in Extract, Transform and Load Pipeline (ETL)

• Developed an ML-based solution to detect column data types, delimiters, and schema structures from raw files (.csv/.txt).

• Automated SQL Server table creation and data loading from detected schemas.

Bachelor's in Computer Engineering

Kantipur Engineering College

2016 -2019

CERTIFICATIONS

Git Essentials: Learn Git with Bitbucket and SourceTree

Udemy • 2024

• Demonstrates proficiency in version control, source code management, and collaborative development.

• Validates ability to manage code for ETL scripts, Python automation, and SQL workflows efficiently.

• Supports teamwork in distributed development environments, including integration with tools like Bitbucket and SourceTree.

• Enhances credibility for roles involving ETL automation, code deployment, and data pipeline management.

Tableau Advanced: Master Tableau in Data Science

Udemy • 2024

• Demonstrates advanced skills in data visualization, dashboard creation, and interactive reporting.

• Validates ability to analyze complex datasets and present actionable insights for business stakeholders.

• Enhances your expertise in BI tools, complementing SQL, Python, and Power BI skills.

• Supports your experience in designing dashboards for ETL pipeline monitoring, performance tracking, and business decision-making.

Microsoft Certified: Azure Data Fundamentals (DP-900)

Microsoft • 2024

• Demonstrates foundational knowledge of cloud concepts, core Azure services, and data solutions.

• Validates ability to work with cloud-based data pipelines, ETL processes, and Azure Data Services.

• Supports your experience in designing, automating, and optimizing data workflows in cloud and hybrid environments.

• Enhances credibility for roles requiring cloud ETL, data warehousing, and business intelligence expertise.

Microsoft Certified: Power BI Data Analyst (PL-300)

Microsoft • 2025

• Demonstrates advanced proficiency in building interactive dashboards, developing data models, and creating actionable insights using Power BI.

• Validates expertise in DAX, Power Query (M), data cleaning, transformation, and performance optimization following Microsoft's best practices.

• Confirms ability to design scalable star-schema models, implement row-level security, and ensure efficient data refresh strategies for enterprise reporting.

• Enhances capability to translate complex business requirements into clear KPI-driven visuals, improving decision-making for cross-functional stakeholders