

PIKESH MAHARJAN

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SUMMARY

Azure Data Fundamentals Certified Data Engineer, SQL Developer, and ETL Developer with 5+ years of experience in designing, developing, and maintaining ETL pipelines for US-based clients in healthcare, retail, and staffing solutions. Proficient in data modeling (Star & Snowflake schemas), SQL, database stored procedures, ETL tools (SSIS, Actian DataConnect), Data Visualization (Power BI, Tableau) and automation (Azure Data factory, Control-m, Task Scheduler). Skilled in database management, data processing automation, and performance tuning, with strong analytical and problem-solving abilities. Recognized for excellent communication skills and effective team collaboration to deliver reliable and scalable data solutions.

SKILLS

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

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

Scripting: Python, PowerShell, T-SQL

Visualization: Power BI, Tableau, Python Libraries

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

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

EXPERIENCE

Senior Data Engineer

Cotiviti / Infinite Computer Solutions

February 2021 – Present

- Designed and Automated ETL pipelines using SSIS packages and Data Connect Actian for retail clients (Amazon, Walmart, Home Depot), processing 100GB+ of data and emails daily.
- Automated ETL workflows using Control-M, Python scripts 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.
- 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.
- Implemented rule-based and dynamic data validation logic using Python and SQL scripts to ensure integrity of incoming and outgoing data.
- Led the UAT process and developed an automated QC script for ETL tool migration from Actian to SSIS, reducing task time by 70%.
- Developed mappings in Actian DataConnect for diverse data sources, including Oracle dump, SQL Server backup, Binary files, EDI files and various file formats including CSV, TXT and excel files.
- Delivered training on internal tools, SQL, and ETL processes, and created onboarding guides that accelerated new hire ramp-up time.
- Participated in hiring panels for ETL and SQL developers, helping select top technical talent.
- Collaboration with cross functional teams on various Projects such as ETL Tool Migration, File Layout Management System etc.
- Designed and deployed Power BI dashboards to visualize retail data metrics, enabling stakeholders to track sales performance and ETL pipeline.
- Migrated legacy SSIS workflows into Azure Data Factory Pipeline, enabling scalable, cloud-based data integration.
- Automated data visualization pipelines using Python Scripting reducing manual report generation time by 50%.
- Developed interactive dashboards and reports using Power BI, SQL, and Python, enabling clients to monitor key metrics in real-time.
- Tracked changes and coordinated updates for ETL packages via Git and Bitbucket, improving code management and team efficiency.

Data Engineer

Impetus Incorporation

February 2020 – January 2021, Kathmandu, Nepal

- 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

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**.
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