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|  | **Pratik Upreti**  Data Engineer | | | | |  | |  | | | |
|  | **Total Experience** 4+ Years in ETL, DE DW/BI  -------------------------------------------  **Qualification** Master’s in Computer Science  Stevens Institute of Technology  -------------------------------------------  **Key Skills**   * Advanced Azure Data Expertise * Expert in ETL Design/Implementation. * Specialist in Data Pipeline Optimization * Proficient in Scripting for Analytics (Python, SQL) |  | | **Summary**   * **Certified** **Snowflake Developer** and **AWS** **Certified** CCP with **4+** years of experience in designing and implementing end-to-end data solutions. * **Expertise** in cloud-based **ETL** processes using **Azure**, **AWS**, and **Snowflake**, optimizing data pipelines to enhance performance and reduce processing time. * **Proficient** in **Python**, **SQL**, and **PowerShell** for data transformation, automation, and complex query development. * **Skilled** in creating interactive dashboards with **Tableau** and **Power BI**, delivering actionable insights to stakeholders. * **Strong** background in migrating legacy **ETL** processes to modern cloud-based solutions, ensuring data integrity and scalability. * In-depth **3+ years of knowledge of Azure data services, including Azure Data Factory (ADF), Azure Data bricks, Azure SQL Database, Azure Synapse Analytics, and Azure Data Lake Storage** * 2+ years of strong experience in designing data pipelines in **SSIS ETL** tools. * Strong experience in designing and implementing the **Enterprise Data warehouse (EDW)** * Individually well-versed in creating new Big Data systems that optimize data management, capturing, Transforming, delivery and quality checking using Cloud ETL tools **(Azure Data Factory (ADF), AWS glue studio, DBT, Snowflake)** * Skilled at transferring ETL projects from legacy ETL tools to cloud based ETL technologies. * Skilled in developing and designing Tableau and Power BI dashboards from the ground up, followed by effectively presenting them to the management team. * Good experience with various scheduling tools like **Airflow**, **Azure Functions** and **Logic App** * Proficient in crafting Python scripts for data analysis tasks, including clustering, regression, and classification, by leveraging libraries such as NumPy and pandas. * Strong experience in **Python, SQL/PLSQL and Unix/Linux Shell scripting** required for ETL projects.   **Certifications**   1. [**Snowflake SnowPro Core**](https://achieve.snowflake.com/674b49fe-a411-4354-8411-f0ad6f241cba) 2. [**AWS Certified CCP**](https://www.credly.com/earner/earned/badge/4fc3e2ab-048d-46a5-a231-01f07e085a83) 3. [**AZURE AZ-900**](https://www.credly.com/badges/96a13b83-d5c1-4dd0-a568-cab4cb2e79ca/public_url) 4. [**Dbt Fundamentals**](https://credentials.getdbt.com/4b82d8a8-f637-4056-a598-f8073b536e33#gs.fzntzk) | | | | | | |  |
|  |  | | **Technical Skills** | | | | |  | |  |
| Cloud ETL Tools: | | | Snowflake, Azure Data Factory (ADF), Azure Synapse Analytics (ASA), DBT, AWS | | | |
| Databases:  Scripting:  Scheduling: | | | Google Big Query, Azure SQL DB, SQL Server, MySQL,  Python, Unix Shell scripting, Oracle, DB2  Airflow, Control -M, Microsoft Azure Functions | | | |
|  | **Experiences** | | | | | | | | | | |
|  | **Project Details**  **Brilliant Infotech**  *May 2024 – Present*  Data Engineer  **Tech Stack**  Snowflake, Azure Data Factory (ADF), SQL, Python, Azure Logic Apps, Azure DevOps  **Project Details**  **Funding Opportunities America**  *Aug 2023 – May 2024*  Data Engineer  **Tech Stack**  ADF, DBT, Snowflake,  Informatica, Azure Blob |  | | **Description**  Working as a Data Engineer at a leading American financial Services, focusing on Snowflake. Design and deploy scalable data ingestion workflows on Snowflake and Azure, optimizing data processing and enhancing reporting functionalities.  **Responsibilities**   * Leveraged Developed and deployed data ingestion workflows using Snowflake and Azure, reducing file sizes by 60% and processing time by 40%. * Implemented Azure Logic Apps and Azure DevOps CI/CD pipelines to automate deployment and integration processes. * Crafted and optimized complex SQL views and Snowflake stored procedures, improving data processing efficiency. * Automated testing and deployment processes using Azure DevOps, ensuring reliable and consistent releases. * Cleaned, transformed, and integrated raw data across multiple layers (Blob, Raw, QA, UAT, Publish) using SQL and Python. * Created Views and performed calculation on Raw layer to generate reports. * Collaborated with cross-functional teams to enhance reporting functionalities and ensure data accuracy for financial analytics.   **Description**  At FOA, I participated in a project with a leading Canadian insurance and wealth management group. The initiative focused on migrating data processes from Informatica to Azure Data Factory (ADF) and DBT, utilizing the Snowflake Database for enhanced data management.  **Responsibilities**   * Spearheaded intricate database migration by leveraging Snowflake, Databricks, and DBT on Microsoft Azure, elevating emphasis on data quality and reliability. * Created python script to parse the Informatica XML to get the complexity of the mappings. * Created DBT models as per the Business requirement. * Created the Snowflake stages for loading the data into the snowflake. * Orchestrated the implementation of automated data pipelines through Microsoft Azure Data Factory and Airflow DAGs, resulting in streamlined workflows and an impressive 30% reduction in manual intervention. * Created Snowflake Stored procedures and used ADF as orchestration. * Quick turnaround on development to deployment using Agile practices. | | | | | | |  |
|  | **Project Details Sophos**  *Oct 2019 - Sep 2021*  Data Engineer  **Tech Stack**  ETL, Oracle  **Project Details** Lime Ltd.  *June 2020 - Jan 2021*  Associate Engineer  **Tech Stack**  JIRA, MSSQL, Eclipse |  | | **Description**  I was involved in the development and deployment of an in-house anti-money laundering software, which was successfully implemente. Leveraged advanced data engineering techniques to integrate diverse threat intelligence sources, streamline data processing, and provide actionable insights to security operations teams. My role included integrating our product with data warehouses, establishing custom data pipelines, and executing data transformations.  **Responsibilities**   * Lead the offshore development. * Interaction with the clients for design and Implementation * Collaborated with a team of five developers to construct more than ten ETL data extraction pipelines, migrating from an on-premises Data Warehouse to our specialized database. * Created generic graphs and parameter sets for conversion. * Involved in various phases of testing (SIT, UAT) and migrated the fixes whenever required. * Developed functional logic using MSSQL and DB2 to meet Sophos’s requirements and enhanced data quality 20% via complex SQL queries (CTE, function, stored procedures) for data validation. * Extensively interacted with onsite coordinators and Business team to understand the functionality of the project.   **Description**  Lime, a Manufacturing firm, required assistance with database and infrastructure management. Our team provided support by managing any arising issues and handling new requests. My role involved utilizing MSSQL, Jira, and Python, Power BI tools to identify and resolve technical problems.  **Responsibilities**   * Investigated and resolved database issues using Azure SQL Database, DB2 and Oracle. * Created dynamic Power BI scorecards to compare material costs across suppliers and manufacturing sites, enabling procurement teams to identify SKU and dead stock opportunities. * Reduced inventory costs by 20% through bulk purchasing strategies based on data-driven insights. * Monitored ETL job execution daily, troubleshooting failed packages and error logging, which reduced data issues by 25%. * Engineered data transformation solutions using Python and Power BI, delivering actionable product insights to the CTO and management teams. * Collaborated with cross-functional teams to ensure data accuracy and consistency across various data sources. | | | | | | |  |
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