**Milan Barot**

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**SUMMARY**

Experienced Data Engineer/ETL developer well-versed in defining requirements, planning and implementing automated end-to-end data pipelines using innovative cloud technologies and various ETL tools.

**WORK EXPERIENCE**

**Blue Cross Blue Shield Arizona, Phoenix, AZ (*Health insurance)***

**SQL Server Developer September 2022 – current**

* Used various SSIS transformations and created DTS packages for migration of an old legacy system to SQL Server 2016 resulting in 20% increase in data migration speed
* Performed database queries tune-up, integrity verification, data cleansing, analysis, and interpretation, resulting in a 30% increase in query performance and reduction in database errors and downtime.
* Developed an ASP.NET web application using “ntity” Framework 6 that performed CRUD operations on a SQL Server database, eliminating the need for manual data entry and a significant increase in data accuracy
* Designed and deployed SSRS reports with Drill Down, Drill Through and Drop-down menu option and parameterized

And Linked reports.

* Collaborated with ETL team, analyzed workflow, and made recommendation for batch processing using SQL packages.

**CBRE, Dallas, TX *(Commercial real estate services and investments)***

**Data Engineer March 2021 - August 2022**

* Developed data pipelines for ETL from sources’ APIs, deployed in AWS S3 with scheduler, loaded it to PostgreSQL sever to further perform transformations to derive pertaining datasets for Tableau reports and dashboard creation.
* Used Python as programming Language, PostgreSQL as the database storage, Mesos to manage the Azure cloud infrastructure, Jenkins for Continuous integration and deployment.
* Identified, designed, and implemented internal process improvements such as automating manual processes, optimizing data delivery, re-designing infrastructure for greater scalability. This resulted in significant annual cost savings for the organization and improved data processing efficiency by 20%.
* Contributed to the maintenance and revamping the “Lymbic” framework (ETL tool), using Python and SQL. Created plugins in Python, customized for downloading and processing files in various formats
* Performed in agile methodology, interacted directly with entire team provided/took feedback on design, Suggested/implemented optimal solutions, and tailored application to meet business requirements.

**TECHNICAL SKILLS**

**Business Intelligence Tools** : Power BI, SSRS, SSIS

**Programming Languages** : SQL, Python, JavaScript, HTML, CSS

**Databases/Data Warehouse** : MS SQL, PostgreSQL, Snowflake

**Cloud Computing Frameworks** : Amazon Web Services, Azure

**Other Tools & Integration Services** : GIT, Jenkins, Jira, Confluence, MS Office Suite, MS Visio, Visual Paradigm

**Python/libraries** : Pandas, Beautiful Soup, matplotlib, numpy, Sqlalchemy

**EDUCATION**

**Bachelor of Science in Information Technology in Software Engineering March 2022**

**Washington University of Science & Technology, Vienna, VA**

**Coursework:** Project Management, Numerical Analysis, Business Communication, Information Technology Management, Principles of Management, Computer Security Fundamentals

**Associates in Applied Science in Computer Information Systems December 2018**

**City University of New York, New York, New York**

**Coursework:** Web Programming, Database Management Systems, Telecommunication Networks, UNIX