

# Milan Barot

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## SUMMARY

Experienced Data Engineer/ETL developer with over 3 years of hands-on expertise in both healthcare and real estate domains. Proficient in defining requirements, strategizing, and executing automated end-to-end data pipelines utilizing cutting-edge cloud technologies and diverse ETL tools.

## WORK EXPERIENCE

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

#### **SQL Server Developer** September 2022 – current

- Worked on a trading partner data exchange project, collaborating with multiple third-party entities to identify and implement business enhancements.
- Created multiple ETL pipelines for Claims, Eligibility, and Accumulators business areas to streamline data processing and exchange. These pipelines were designed with a focus on efficiency, accuracy, and scalability to handle large volumes of data from various sources.
- Led a team of 3 offshore resources, effectively aligning their efforts to meet project objectives and business criteria.
- Primarily worked with accumulator business area which required consolidating data from multiple sources to calculate and track benefit accumulators for policyholders accurately. Developed a comprehensive ETL solution that integrated data from various policy systems, performed calculations, and loaded the updated accumulators into a centralized repository.
- 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 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 interactive and dynamic dashboards using SSRS with Drill Down, Drill Through and Drop-down menu option and parameterized reports, enabling stakeholders to access real-time insights and make data-driven decisions.
- Collaborated closely with cross-functional teams, including business analysts and technical analysts, to gather requirements and understand specific data needs. This allowed for the successful integration of the ETL pipelines with downstream applications and data analytics platforms, facilitating data-driven decision-making within the organization.

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

#### **Data Engineer** Feb 2021 - September 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.
- Collaborated seamlessly with cross-functional teams, including business analysts and data scientists in Continental Europe region specifically with CBRE Amsterdam and CBRE Madrid teams.

## TECHNICAL SKILLS

<b>Business Intelligence Tools</b>	: Power BI, tableau, SSRS, SSIS
<b>Programming Languages</b>	: SQL/PostgreSQL, Python, JavaScript, HTML, CSS
<b>Databases/Data Warehouse</b>	: MS SQL, PostgreSQL, Snowflake
<b>Cloud Computing Frameworks</b>	: Amazon Web Services, Azure
<b>Workflow Tools &amp; Integration Services</b>	: GIT, Jenkins, Dagster, Airflow, Jira, ActiveBatch, Confluence, MS Office Suite, MS Visio

## 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