**Milan Barot**

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**SUMMARY**

Data Engineer experienced with enterprise databases, data warehouse management and query languages as well as working across different stages of data pipeline. Adept in working quickly and efficiently in close collaboration with analytic, engineering, and other stake holders.

**WORK EXPERIENCE**

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

**SQL Developer September 2019 – current**

* Troubleshoot performance problems and fine-tuning of databases.
* Maintained the table performance by following the tuning tips like normalization, creating indexes and collect statistics.
* Worked on Control flow tasks such as Execute SQL task, Send Mail Task, File System Task, Data Flow Task and used different data sources and destination with derived column, lookup transformation within Data Flow Task.
* Recovered the databases from backup in disasters.
* Worked with Tabular reports, Matrix reports, Gauges &amp; Chart reports, Parameterized reports, Sub reports, Ad-hoc reports, Drill down reports as well as interactive reports according to business requirements in a time restricted environment using SQL Server Reporting Services (SSRS).

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

**Data Engineer March 2021 - August 2022**

* Created and maintained optimal data pipeline architecture.
* Assembled large, complex data sets that meet functional / non-functional business requirements.
* Identified, designed, and implemented internal process improvements: automating manual processes, optimizing data delivery, re-designing infrastructure for greater scalability, etc.
* Contributed to the maintenance and updating the “Lymbic” framework, which was designed for all ETL tasks, using Python and SQL. Coded custom plugins in Python, customized for downloading files with specific extensions.
* Worked with multiple Python libraries such as Pandas, NumPy, etc. to collect data from eclectic sources
* Worked on JIRA Agile projects such as creating Scrum/Kanban boards.
* Used Python and R as programming Language, PostgreSQL as the database storage, Mesos to manage the Azure cloud infrastructure, Jenkins for Continuous integration and deployment.
* Kept our data separated and secure across national boundaries through multiple data centers and regions.
* Worked with data and analytics experts to strive for greater functionality in our data systems.
* Managed exploratory data analysis to support database and dashboard development

**AmNet Services, Fairfield, NJ *(Telecommunication)***

**Jr. Database Developer April 2019 - October 2020**

* Working directly with senior SQL developer and business solution team to determine the scope of project.
* Tested new features of SQL Server 2012 for Dev Environment and provided recommendations.
* Deployed reports on Report Server and SharePoint Server also scheduled reports using SSRS to generate all daily, weekly, monthly and quarterly reports including current status.
* Worked on creating Tables, Indexes, Views, Triggers, Stored Procedure, User Defined Function, relational database models and data integrity, SQL joins.

**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, Object Oriented Programming with Java, Discrete Structures

**TECHNICAL SKILLS**

**Data**: **Programming Languages**:

MS SQL Server 2016/2019 SQL/T-SQL, PostgreSQL, Python,

Visual Studio JavaScript, HTML, CSS

Microsoft Visio  SSRS, SSIS, SSAS **Python/libraries**:

Data Pipeline & Workflow Management pandas, Beautiful Soup, PrettyTable, urllib2

Data Architecture/Data Assembling matplotlib, psycopg2, Spotipy

ETL Pipelines

Data Infrastructure Development **Tools:**

Technical Documentation GIT, JENKINS, JIRA, CONFLUENCE

**Cloud**: AWS, Azure