

# JESUS MENDOZA

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## TECHNICAL SKILLS

Database Management Systems: Oracle SQL, Microsoft SQL Server, Snowflake, MySQL

Tools/Technologies: Azure DevOps, Visual Studio, SSIS, RedGate

SQL Search, JAMS, Rubrik, SQL Server Profiler

Programming: SQL, T-SQL, PL/SQL, Powershell, Java, JavaScript

Related Skills: Entity Relationship Diagrams, Normalization, ETL Processes, Backup and Recovery

## DATABASE DEVELOPER

The Fresh Market | Remote (Oct 2022 - Present)

Developer Duties:

- Contributed to an agile Scrum team by completing user stories, participating in code reviews, and ensuring code quality before deployment
- Developed ELT processes using SQL Server Integration Services, managing repositories and creating branches in adherence to development standards.
- Created and modified SSIS packages for tasks such as spreadsheet imports and file creation for various eCommerce partners.
- Modified views and triggers using T-SQL to enhance database functionality.
- Gained proficiency in T-SQL, enabling the development of complex and efficient queries to meet data requirements.
- Participated in the Snowflake data warehouse redesign by deactivating outdated steps within SSIS packages and implementing updated stored procedures.
- Repointed SSIS package connections to support the warehouse redesign project.
- Developed multiple PowerShell scripts to help create system alerts that would aid in pinpointing any disruptions.
- Began leveraging PowerShell to create complex scripts for cloud project tasks.
- Managed deployments, scheduling, and job creation using JAMS.
- Collaborated with multiple teams to gather requirements and provided detailed information, contributing to a successful rollout of multiple projects.
- Utilized Snowflake to execute SELECT, UPDATE, and CREATE statements for data management and analysis.
- Produced comprehensive historical reports for newly opened stores, encompassing three years of data.
- Encrypted reports and sent them to appropriate SFTP's for future UAT with other company departments.
- Carried out moderate projects with minimal oversight.
- Contributed to reducing technical debt within the team.
- Addressed support tickets via the iSupport ticket queue and participated in on-call rotation for company support.

Admin Duties:

- Successfully conducted multiple database migrations across Dev, Test, Staging, and Production environments; accounting for about 60 total and aiding in the end of year goal of migrating all databases to the new clusters.
- Migrated listeners to new servers and set up multiple Always on Availability Groups.
- Carried out migrations of multiple users to new environments and synced them to both primary and secondary nodes.
- Created a script to assist with database splitting and assisted with the splitting of multiple large databases within the lower environments.
- Performed index maintenance on multiple databases to better enhance performance.
- Restored production databases to lower environments to maintain data accuracy.
- Utilized Rubrik for SLA management and database backup/restore operations.
- Executed platform installations and upgrades on newly created servers.
- Installed ODBC snowflake drivers to multiple clusters.
- Patched servers on a scheduled rotation using CAU and WSUS methodologies.

## DATABASE ADMINISTRATOR

Intern at CUNY New York City College of Technology | Brooklyn, NY (Jan - Dec 2019)

- Developed new and updated old databases worked on by past interns
- Migrated a database from a Linux system to a Windows system
- Discovered underlying issues with software being used (mainly outdated)
- Reported final findings and solutions that would help next year's interns get a head start, cutting possible loss of time in half
- Constantly updated our personal wiki pages on what goals were achieved and the issues that were found

## DATABASE DEVELOPMENT EXPERIENCE

Design Micro Database for Car Rental System Project (Jan 2022)

- Used business requirements to create an EER model
- Transformed the EER model into a Logical model and then normalized it in 3<sup>rd</sup> normal form (3NF)
- Used the normalized logical model to create a Physical model along with a data dictionary
- Generated a physical schema using Oracle SQL Developer data descriptive language (DDL)
- Generated scripts in which data manipulation language (DML) was tested
- Added and updated previous records to better test the performance of the database

- Created stored procedures to easily acquire business reports deemed necessary to optimize business performance
- Created secondary indexes to enhance the performance of the business report queries previously created
- Generated views for each of the business reports previously created
- Added users to the databases and granted permissions to each user

Design of micro database for Airline Reservation System Project (Feb 2022)

- Designed a database using an EER model as well as a normalized logical model
- Created 9 stored procedures that were used to retrieve information using PL/SQL
- Created a sequence to automatically generate ID numbers within a customer table

Full Stack Design Enhancement (Mar – Apr 2022)

- Linked previously created database with a newly designed airline website
- Designed website using HTML and CSS
- Created small logo for the website
- Updated previous stored procedures to include out parameters
- Added a system reference cursor to retrieve multiple lines of data to the frontend of the application
- Used JSP to integrate the database with the website, successfully linking the frontend and backend

## EDUCATION

*Bachelor of Technology: Computer Systems Technology, Concentration in Database Development*

CUNY New York City College of Technology, 300 Jay Street, Brooklyn, NY 11201

- Coursework in Database Development, Web Design, and Programming Fundamentals