



**Data Analyst / SQL Developer**

June 2022 – June 2023

**Plus Relocation Services**

Remote

- Researched best ways to convert WebFocus reports into Power BI
- Using DDL and DML in SQL converted several WebFocus reports to Power BI reports and apps
- Using DDL and DML in SQL Converted WebFocus invoice generation to Power BI paginated report
- Created detailed technical documentation for EM Metrics and PlusIQ projects in Power BI; these projects used SQL Server as a database
- Created Proof-of-Concept in Power BI for embedded Power BI
- Participated on a team to implement embedded Power BI
- Performed knowledge transfer regarding EM Metrics and PlusIQ projects
- Optimized performance of existing Power BI dashboard

Environments: Power BI, WebFocus, SQL: DQL, DDL, DML; DAX, GitHub

**Data Science Engineer / SQL:Python Developer**

November 2021 – February 2022

**The Nerdery**

Remote

- Worked on making updates to Python code for AWS Lambda function used in the data migration
- Worked on SQL scripts for migration of data from MySQL to DynamoDB and Snowflake; verified data files were processed into S3
- Created dashboards in Tableau and Power BI to report insight into petfinder.com data.

Environments: AWS: S3, Lambda, RDS, Python, MySQL, SQL: DQL, DDL, DML; Snowflake, Tableau

**ETL Developer / SQL: Python Developer**

September 2020 – November 2021

**Minnesota State Department of Health**

Remote

- Performed daily production support for Rhapsody
- Updated Rhapsody components using C++ and Javascript
- Wrote SQL to verify data move into PostgreSQL
- Wrote documentation for updated components in Rhapsody
- Worked on AWS: S3, Lambda, Athena, Glue implementing an alerting/emailing process
- As part of the alerting/monitoring process mentioned above converted Powershell code to Python to run in AWS Lambda

Environments: AWS: S3, Lambda, Python, RDS, Glue; Rhapsody, PostgreSQL, GitHub

**Associate Data Scientist-Part-time / SQL Developer**

September 2020 – January 2022

**Cloudtrust**

Remote

- Researched AWS options for machine learning and Textract and advised 2 different clients
- Partnered with employees for AWS Data Analytics and Machine Learning certifications
- Investigated use of AWS AutoML
- Used SQL to query and update MySQL Db's with DQL, DDL, DML

**Data Science Assessment Developer and Instructor**

March 2020 – August 2020

**Cybrarian Inc.**

Remote

- Developed assessments for Intro to Python and Intermediate Python courses
- Developed and taught video-based Intro to Python course
- Developed and taught video-based Intermediate Python course

Environments: Python, Agile

**.Net Developer / SQL Developer**

Jan 2017 – March 2020

**CrossNick Enterprises, LLC**

Anoka, MN

- Provided web application and database development for Enterprise Rent-A-Car and EnablePoint

- Built enhancements to two sites, one managed change to Enterprise forms, the other site allowed for Enterprise locations to order supplies
- Utilized TSQL to write queries, stored procedures and triggers
- Built new and modified existing SSRS reports
- Utilized SSIS to create ETL packages to move and cleanse data

Environments: SSIS, SSRS, REST APIs, SQL Server, Agile

**Associate Data Scientist / SQL: Python Developer**

June 2018 – June 2019

**ATEK Access Technologies**

Eden Prairie, MN

- Researched and worked on multiple assignments to implement features of Amazon Web Services such as Lambda, Simple Queue Service, Simple Email Service and DynamoDB and Quick site BI tools
- Utilized Python to send email via AWS Lambda and DynamoDB as part of an alerting system
- Utilized Python to create tank utilization calculations ultimately uploaded to SQS
- Issued ATEK's data and website partner access to an AWS SQS to read created calculations and upload to ATEK's database
- Developed tank utilization reports as a proof of concept to use Tableau with AWS
- Developed demonstration using Python to integrate ATEK AssetScan data with IBM Maximo
- Researched and compared AWS and Azure solutions regarding how they could be utilized with IIOT data

Environments: Python, AWS: Lambda, SQS, SNS, RDS, Quick site; REST APIs, SQL Server

**Application Support Analyst**

Sept 2015 – Sept 2016

**Cargill**

Hopkins, MN

- Provided production support to Analysts and Traders using multiple systems. Primarily supported ZEMA and Spotfire Market Analysis tools.
- Built enhancements to .NET applications built using MVC
- Built new and supported existing SSIS ETL packages
- Utilized TSQL to write queries and stored procedures

Environments: SSIS, REST APIs, SQL Server, Oracle, Tibco Spotfire, ZEMA

**Web/SQL Developer**

Aug 2014 to May 2015

**Vista Outdoor**

Anoka, MN

- Converted an application written in PHP to C#
- Utilized SQL Server 2008, C# 4.0, Visual Studio.Net 2010
- Utilized TSQL to write queries and stored procedures
- Created an admin tool for an application that collects data from users who have product innovation ideas: Gathered requirements working directly with business stakeholders. Designed, implemented, tested and deployed site
- Utilized SSIS to create ETL packages to move data

Environments: SSIS, REST APIs, SQL Server, Oracle, Tibco Spotfire, ZEMA

**Web/BI Developer**

February 2010 to July 2014

**University of Minnesota**

Minneapolis, MN

- Implemented new and updated existing reports within the UMReports system. UMReports comprises of a .Net frontend and SQL Server and Oracle backend
- Wrote and updated stored procedures using SQL Server 2005
- Worked on conversion of stored procedures from SQL Server 2005 to SQL Server 2008
- Wrote and updated stored procedures using SQL Developer
- Performed Tier II support functions for UMReports and Data warehouse web query tool.
- Began Perl and Informatica training

Environments: C#, SQL Server 2005/2008, SSIS, Visual Studio.Net 2005,2010; Oracle 10/11