### Patricia L. Crosswait AWS Certified Solutions Architect (612) 309-1215 (cell) Email: <u>crosswaitpatti@gmail.com</u> <u>https://www.linkedin.com/in/patticrosswait (5 recommendations)</u> Portfolio: http://www.patticrosswait.com/blog

# SUMMARY

Analytical and innovative **Data Analyst and BI/Python Developer** with experience working on diverse projects in environments where it is necessary to analyze business needs and apply a technical solution quickly. Communicate technical concepts to non-technical customers and business partners effectively. Proactive, taking on additional responsibilities as opportunity allows.

# **TECHNICAL SKILLS**

**Development Environments:** Power BI, Power Query, DAX, Python, SQL, SSRS, Tableau, AWS, Azure, Anaconda Navigator, Scala, C#, ADO.Net, VB.Net, .Net Framework, R, Spark, SQL Server, Oracle, SSIS, Visual Studio.Net, MVC, ASP.Net, SAS, TIBCO Spotfire, ZEMA

**Other Software:** Git, Jira, JSON, Microsoft IIS, Team Foundation Server, XML, HTML, JavaScript, Visual SourceSafe, Microsoft Visio, Microsoft Office, Adobe Acrobat, Crystal Reports, Adobe Photoshop

# **EDUCATION**

• Master of Science: Data Science; Graduate Certificate in Artificial Intelligence University of St. Thomas St. Paul, MN

• Bachelor of Arts, Major: Quantitative Methods in Computer Science

University of St. Thomas

# **PROFESSIONAL EXPERIENCE**

St. Paul, MN

#### Data Analyst Leaf Health

US Bank

July 2024-September 2024

Remote

Ran several complex queries in SQL Server and provided data to business team; developed proof of concept using some of Leaf's existing reports as a template for reporting in Tableau.

# Data Warehouse Developer

November 2023 – April 2024

# Hybrid: Remote / Minneapolis, MN

To enable business stake-holders fast access to understand the state of the PrePaid cards business lines.

- For ten different product lines used SQL Server Analysis Services connected with direct query and used DQL:
  - o to Power BI to produce reports regarding call metrics over time periods for Prepaid cards
  - to Power BI to produce reports regarding Active Cards and Loads over time periods for Prepaid cards
- Used SQL Server Analysis Services connected with direct query and used DQL to create new or performed troubleshooting on existing Power BI paginated reports

• Imported data to produce a report in Power BI for Power BI report server use over time using DQL Environments: Power BI, SQL: DQL, SQL Server, SQL Server Analysis Services, DAX

#### Data Analyst / SQL Developer **Plus Relocation Services**

- 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

Remote

- 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

- 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

#### **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

- Cloudtrust
- 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** Remote

# **Cybrarian Inc.**

- 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
<b>CrossNick Enterprises, LLC</b>	Anoka,MN	

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

# Remote

September 2020 – January 2022

March 2020 – August 2020

September 2020 – November 2021

November 2021 – February 2022

June 2022 – June 2023

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

### 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

Hopkins, MN

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

# **Application Support Analyst**

### Cargill

- 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

# Vista Outdoor

- 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

# University of Minnesota

- 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

# Aug 2014 to May 2015

February 2010 to July 2014

Sept 2015 - Sept 2016

June 2018 – June 2019

# Anoka, MN

Minneapolis, MN

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