Patricia L. Crosswait

(612) 309-1215 (cell)
Email: crosswaitpatti@gmail.com
Portfolio: http://www.patticrosswait.com/blog
LinkedIn: https://www.linkedin.com/in/patticrosswait

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   St. Paul, MN

CERTIFICATIONS

Microsoft Azure AI Fundamentals: Click to verify

PROFESSIONAL EXPERIENCE

Power BI / AI Consultant   January 2025-June 2025
  Crossnick Services   Remote
- Profiled data coming into Power BI before using in reports
- Creating dashboards in Power BI for small local business, Creative Tummy**.**
  - Analyzing the data to find sales, product and supply chain insights
  - Analyzing the data to discover customer buying patterns
- Functioning as an AI consultant to advise on use cases pertaining to the bakery

Junior SQL / Tableau Data Analyst   July 2024-September 2024
  Leaf Health   Remote
- Ran several complex queries in SQL Server and provided data to business team
- Profiled data coming into Tableau before using in reports
- Developed proof of concept using some of Leaf's existing reports as a template for reporting in Tableau
- Analyzed data provided to business team to identify insights
- Reviewed insights with stakeholders to determine insights of interest

Power BI / Data Warehouse Developer   November 2023 – April 2024
    US Bank   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
    - 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
- Analyzed existing prepaid call center to identify insights of interest
- Reviewed insights with stakeholders to determine insights of interest
- 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 and profiled data to produce a report in Power BI for Power BI report server use over time using DQL

Power BI / 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
- Optimized performance of existing Power BI dashboard

Power BI / AWS Analyst   November 2021 – February 2022
    The Nerdery   Remote
- Wrote Jira stories for Snowflake/MySQL/DynamoDB work
- 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.

Associate Data Scientist / 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

Information Technology Specialist 3 (Data Systems)   September 2020 – November 2021
    Minnesota State Department of Health   Remote
- Performed daily production support for Rhapsody at times needing to interpret HL7 messages
- Updated Rhapsody components using C++ and Javascript
- Wrote Jira stories for Rhapsody work
- 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
- Wrote and monitored process that moved flat files into Postgresql
- As part of the alerting/monitoring process mentioned above converted Powershell code to Python to run in AWS Lambda

Web and Database Consultant   Jan 2017 – March 2020
CrossNick Enterprises, LLC   Anoka,MN
- Provided C# web application and database development for Enterprise 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

Associate AWS Data Scientist   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

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

Web Developer   Aug 2014 to May 2015
Vista Outdoor   Anoka, MN
- Converted an application written in PHP to C#
- Created an admin tool for an application that collects data from users who have product innovation ideas: Gathered requirements, designed, implemented, tested and deployed site
- Utilized SSIS to create ETL packages to move data

Business Intelligence 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
- Worked on conversion of stored procedures from SQL Server 2005 to SQL Server 2008
- Performed Tier II support functions for UMReports and Data warehouse web query tool