Jason Wylie

Data Analyst | Database Developer
Rosharon, TX | LinkedIn: linkedin.com/in/jasonwylie | GitHub: https://jasonwylie.github.io/portfolio/

SUMMARY

As an IT generalist with 20 years of experience in database development, task automation, IT administration, and infrastructure and networking solutions, I have worked across industry sectors including Oil & Gas, IT Consulting, Financial Services, and Home Building. I specialize in Microsoft Access, SQL, and VBA programming. I have dedicated significant time to studying Python and web development, gaining functional knowledge and practical experience through various independent projects including this portfolio website. These projects include game data tracking, document indexing, personal home project management, and maintenance tracking. Adept at building custom data reporting tools, improving data quality, and automating workflows to support business decision-making.

TECHNICAL SKILLS

Databases & BI Tools:
Microsoft SQL Server (2008/2012/2014/2016), T-SQL, MySQL, Microsoft Access/Excel, Power BI, SSMS

Programming & Scripting:
VBA (Access/Excel/Word), HTML/CSS, JavaScript, Python, PowerShell, Batch Scripting, C#(introductory), VS Code IDE, ETL Workflow Automation, PowerBI/Excel DAX and Functions

Tools & Platforms:
Microsoft Office 365, GitHub, VS 2022 Community, VS Code, SharePoint, Windows Server (2012/2008), Documentum, Assai API, Aveva ProCon API, MDT 2010

PROFESSIONAL EXPERIENCE

Independent Developer
February 2023 – Present

- Designed and developed **X-Wing Tracker**, a Microsoft Access application for organizing game lists, querying pilots, skills, and upgrades, and printing detailed lists. Imported json data into tables, Integrated Python scripts for extracting keywords from PDFs to associate strategy-related content from FFG articles, PDFs, and YouTube videos.

- Created **Star Wars Armada App**, mirroring the functionality of X-Wing Tracker, with additional features for linking articles, indexing game-related documents, and added a keyword and timing reference for ship and upgrade cards in list print out report.

- Built a **Home and Car Maintenance Tracking Application**, allowing users to track home projects, car maintenance history, contractor information, project budgets, and scanned PDFs using an embedded Edge browser control for seamless viewing.
- Studying and applying **HTML, CSS, JavaScript, Python, and SQL**, developing simple web apps and expanding knowledge in full-stack development for sample projects including: a sample to-do flask web app with MySQL backend, a chrome extension for tracking sites by categories, a simple invitation web interface, a lunch poll app and expense viewer using firebase backend as well as my github.io portfolio web page.

Data Controller & Database Developer
Shell (contractor) | Houston, TX | January 2017 – February 2023

- Managed multiple SQL Server databases for a multibillion-dollar capital project, ensuring the integrity of 1.3M+ equipment tags and related data (purchase orders, P&IDs, line lists, ISOs).
- Designed and developed custom scripts (without SSIS packages) for data Extraction, Transformation, and Loading of daily, weekly and monthly data from various sources into our AWS SQL Server Data Warehouse instance that fed into multiple critical project applications.
- Automated the aggregation and reporting of document metadata using VBA, reducing manual reporting time.
- Created Power BI dashboards to visualize tag and document data quality issues and new/deleted tag status trends and 3D Model data that was used to drive monthly data quality reviews with the engineering partners like Bechtel, Technip, and Linde.
- Designed and implemented PowerShell scripts for data extraction with Assai, streamlining support for the Document Management team.
- Developed a custom export process to bulk extract and organized over 70GB of confidential contract data via Aveva ProCon API.
  - Automated the import of extracted data from Aveva into Shell's SharePoint Document Library, ensuring it adhered to Shell's document format.
  - Managed data relationships based on file attributes using PowerShell automation.
- Provided support and enhancements for a custom Access-based reporting tool, improving data retrieval.

Consultant | Database & Reporting Lead | Resource Pool Owner
Avanade Inc. | Houston, TX | January 2010 – June 2016

- Designed and maintained Access databases for tracking human resource availability across service lines, managing demand, and generating dashboard reports on resource allocation, reducing reporting errors.

- Collaborated with Business Development Executives, project leads, and Avanade leadership to staff Infrastructure and Change Management professionals across various projects.

- Managed resource demand requests by assessing role requirements, tasks, and career levels within a request management system.

- Proposed available and soon-to-be-available consultants using custom database tools to meet project needs.

- Coordinated resource project roll-offs, extensions, and managed loaded cost rate changes through effective communication with project teams.

- Assisted with strategic resource planning for unique, large-scale deployments where Avanade was the lead solution delivery service

- Provided Windows Imaging and Systems Center Engineering support for a Microsoft Retail Stores project, enabling quick deployment of OS to Point of Sale devices. Responsibilities included scripting Windows 7 and Windows POSReady deployments, as well as SQL Server Express installations.

IT Administrator
Nighthawk Oilfield Services | Houston, TX | December 2006 – July 2009

- Managed corporate IT infrastructure and networking, and databases for accounting, inventory, and HR systems for a 300-person corporate headquarters.

- Implemented and led the deployment of a Terminal Services solution to enable remote accountants to access and work within the same QuickBooks Enterprise database system, transitioning the company to QuickBooks Enterprise for a multi-user database system, addressing the needs of geo-dispersed accountant users, converted an improperly set up Terminal Server into a fully functional solution, supporting 10-20 simultaneous users, significantly reducing the time required for major accounting functions.

Network Technician
Unicom Technologies | April 2006 – December 2006

- Installed and maintained desktop and network infrastructure for **community and state banks**, ensuring secure financial transactions.

- Conducted maintenance visits contracted customers to troubleshoot and optimize network systems, ensuring high availability for banking operations.

Help Desk & Network Analyst
Getronics | November 2004 – April 2006

- Provided network and IT support for **Beazer Homes** organization contract, troubleshooting Citrix applications, RSA token authentication, and Cisco network issues.

- Managed HP OpenView monitoring for enterprise network outages, coordinating resolution efforts with engineers.