

**Jason Wylie**

**Data Analyst | Database Developer**

Rosharon, TX | LinkedIn: [linkedin.com/in/jasonwylie](https://www.linkedin.com/in/jasonwylie) | GitHub: <https://jasonwylie.github.io/portfolio/>

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**SUMMARY**

Experienced Database Developer and Data Analyst with over 20 years of cumulative experience in database management, Microsoft Office development, server and network administration, and IT solutions. Proven expertise in SQL Server, Microsoft Access, VBA programming, and data integration solutions across Oil & Gas, Manufacturing, IT Consulting, Financial Services, and Home Building industries. Recently enhanced technical skills through independent projects leveraging Microsoft Access, Python, and web technologies. Adept at building custom data reporting tools, improving data quality, and automating workflows to support business decision-making.

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**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# (basic), VS Code IDE, ETL Scripting

**Tools & Platforms:**

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

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**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.

### **Data Controller & Database Developer**

Shell (contractor) | Houston, TX | January 2017 – February 2023

- Managed multiple SQL Server databases for a \$6 billion 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 for data Extraction, Transformation, and Loading of data from various sources into an AWS SQL Server Data Warehouse instance, supporting efficient reporting and decision-making processes across project teams while project did not have access to SSIS tools.
- Automated the aggregation and reporting of document metadata using VBA, reducing manual reporting time.
- Created Power BI dashboards to visualize data quality trends, improving data accuracy and supporting engineering partners like Bechtel, Technip, and Linde in monthly data quality reviews.
- Developed PowerShell scripts for API data integration with Assai and Aveva ProCon, facilitating the secure export of 70GB+ of confidential contract data to SharePoint.
- Provided support and enhancements for a custom Access-based reporting tool, improving data retrieval.

### **Consultant | Database & Reporting Lead**

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.
- Developed a VBA-powered application that automated the integration of third-party data into Access, streamlining resource scheduling and reducing manual data processing time.
- Automated data imports using custom VBA scripts to synchronize with external systems, improving data processing speed.

- Provided **Windows Imaging and Systems Center Engineering** support for Microsoft Retail Stores deployment, scripting Windows 7 and Windows POSReady deployments and SQL Server Express installations.

### **Network Administrator & Database Developer**

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

- Managed corporate IT infrastructure and supported databases for accounting, inventory, and HR systems, integrating SQL Server with remote office applications.
- Spearheaded the design and deployment of a SQL-based Terminal Services solution, optimizing access to financial data and reducing operational costs by \$250k annually.
- Improved database performance and reporting by migrating legacy systems to SQL Server, enhancing data accessibility for remote offices.

### **Network Technician**

Unicom Technologies | April 2006 – December 2006

- Installed and maintained network infrastructure for **community and state banks**, ensuring secure financial transactions.
- Conducted maintenance visits 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**, troubleshooting Citrix applications, RSA token authentication, and Cisco network issues.
- Managed HP OpenView monitoring for enterprise network outages, coordinating resolution efforts with engineers.