David Britz

www.linkedin.com/in/david-britz/
www.youtube.com/@daviddb4827

SUMMARY

Database Architect and Administrator specializing in SQL Server optimization, Microsoft Access development, and advanced data analytics with multi-industry expertise. Strategic mid-career database professional with over ten years of experience designing, optimizing, and managing SQL Server and Microsoft Access environments across diverse industries. Combines technical expertise in SQL development, database optimization, and ETL process to deliver scalable, high-performance data solutions and enhance data accuracy. A forward-thinking professional with exceptional ability to grasp new technologies and adapt to evolving project demands, excelling as an individual with minimal supervision and as a team member with proven success in remote engagements.

Areas of expertise include:

Microsoft Access (Forms, Queries, VBA) | SQL Server Administration | Stored Procedures & Functions Relational Database Design | Database Development | T-SQL Queries & Optimization | Excel (Power Query, PivotTables, Advanced Functions) | Data Cleaning & Validation | Performance Tuning | ETL Development | Python (Pandas, NumPy, Jupyter) | Data Security & Compliance | Data Modeling & E-R Diagrams | Automation (VBA, PowerShell) | Data Transformation & Migration | BI Reporting

KEY VALUE HIGHLIGHTS

* Skilled in applying statistical concepts to database management; possesses a master's degree in statistics with growing Python programming capabilities, leveraging analytical tools to transform raw data into strategic business insights.
* Demonstrated proficiency across diverse technology stacks, including SQL Server, Azure SQL, Microsoft Access, Power BI, Excel automation with Power Query and PivotTable expertise, emerging Python frameworks with Jupyter integration, and a mastery of data integration and reporting.
* Proven track record of delivering complex database projects in distributed team environments, providing end-to-end technical support with clear communication channels, and consistently meeting aggressive project timelines.
* Remained industry-relevant by continuously expanding technical skill set, actively developing proficiency in emerging technologies, including Python analytics and Power BI visualization, to complement core database expertise.

PROFESSIONAL EXPERIENCE

Digital Solutions Developer (Remote) | Winning Solutions, Inc. (2019 – 2025)
(A custom IT and eLearning Solutions Provider serving Government, Private Sector, and Non-Profit Clients)
* Designed and maintained custom Microsoft Access and SQL Server databases supporting multi-client operations, implementing robust security protocols, and ensuring 99.9% uptime across distributed environments while managing sensitive data.
* Independently managed server administration responsibilities, including database performance tuning, managing backup strategies for servers, SQL Server data, Windows Updates, SSL installations, and others.
* Supported e-learning initiatives by applying database expertise to content management systems and gaining hands-on experience with Storyline and Camtasia development tools.
* Created automated data processing workflows using VBA, eliminating manual data entry tasks and reducing processing time while improving accuracy and consistency across all client deliverables.
* Resolved complex database and system issues through systematic troubleshooting and optimization, consistently meeting 24-hour SLAs and maintaining high client satisfaction.

Data Management Volunteer | Spokane Neighborhood Action Partners, Spokane, WA (2018-2019)
* Revolutionized organizational data management by implementing systematized entry, validation, and reporting workflows that improved data consistency by establishing new benchmarks for accuracy and reliability.
* Provided technical assistance to staff utilizing Excel and Access-based reporting systems, creating user-friendly documentation and training materials that enhanced team productivity and reduced support tickets.

Instructor, Mathematics and Statistics | Spokane Community College, Colville, WA (2015-2018)
* Taught junior-college level coursework in Algebra, Statistics, and Finite Math. The setting was at a satellite campus with live students also broadcast to other satellite locations via interactive TV.

Co-Commissioner (Remote/Volunteer) | Super Football League (Active)
* Orchestrated end-to-end league operations by managing CSV, XML, and JSON data workflows, implementing onboarding and rule enforcement protocols to coordinate 50+ participants across time zones and ensure seamless communication.

EDUCATIONAL QUALIFICATIONS

* Master of Science, Statistics | Rutgers University (2009)
* Bachelor of Science, Computer Science | New Jersey Institute of Technology (1998)

TECHNICAL PROFICIENCIES

* Database Technologies: SQL Server, Microsoft Access, Azure SQL, MySQL, T-SQL, Normalization and Table Design
* Data Management: Database Design, ETL Processes, Data Modeling, Data Warehousing
* Programming & Scripting: Python (Pandas, NumPy, Jupyter, Django), VBA, PowerShell, Windows/Unix Shell Scripting
* Analytics & Visualization: Power BI, Excel (Power Query, PivotTables, Advanced Functions), Statistical Analysis, Data Mining
* Development and other Tools: SSMS, Visual Studio, VS Code, Git Version Control, Azure, DevOps, Sharepoint