

Luke McConnell

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PROFESSIONAL SUMMARY

With a goal of solving modern business problems using data-driven decision making, I help businesses turn their databases, spreadsheets, and applications into enterprise scale analytics platforms. Leveraging cloud resources to automate processes and predictions, I help empower company leaders with decision making tools. I am a continual learner with a passion for the technology that allows everyone to be a data scientist.

EDUCATION

University of Tennessee, Haslam College of Business
Bachelor of Science, Business Analytics
Master of Science in Business Analytics

Knoxville, TN
May 2019
December 2020

EXPERIENCE

Tri Star Energy, *Data Architect*, Nashville, TN

April 2023– Present

- Leverages Databricks to design and engineer the company's analytics platform and team, consolidating data from 20+ internal and external sources using Python, SQL, and Scala
- Architects data movement throughout the organization by designing and building APIs, event-driven integrations, dimensional data models, and decision system algorithms that turn raw data into decision intelligence
- Drives real-time information to decision makers using event-based messaging, queues, and data streaming patterns to digitize business processes
- Administers and governs the enterprise Power BI tenant, guiding analysts through development of company-wide datasets and single source of truth reports

LBMC, *Data Services Manager*, Brentwood, TN

March 2022– April 2023

- Led a team of 6 internal and contractor data professionals responsible for data strategy and analytical workloads across the LBMC Family of Companies
- Architected the enterprise cloud data warehouse, consolidating data from 25 structured and unstructured sources using Azure Data Factory / Synapse Analytics to model into STAR schema models for Power BI
- Administered the organization's Power BI tenant with 100 workspaces, 200 reports, and 250 monthly active users
- Maintained core company data processes, including billing data transfers, system to system API integrations, and financial reporting automation using Python, SQL, and Azure Logic Apps
- Provided solution architecture expertise by implementing CI/CD pipelines using Azure Pipeline and IAC
- Drove digital transformation by leading RPA development projects to increase process efficiency using machine learning and automation

LBMC Data Insights, *Business Intelligence Consultant*, Brentwood, TN

June 2020 – February 2022

- Practices agile scrum development processes to deliver enterprise-scale data platforms and analytics solutions in the healthcare, manufacturing, and retail industries using cloud-based analytics tools
- Creates scalable data warehouses using SQL, Python, PowerShell, Azure Data Factory, and DAX to extract, normalize, and store gigabyte scale datasets
- Communicates business stories using data tools such as Power BI and Azure Machine Learning Studio
- Implements software development best practices using tools including Git, CI/CD Pipelines, and Bicep

OTHER EXPERIENCE

GRADUATE TEACHING ASSISTANT, Data Mining and Regression Modeling

August 2019 – May 2020

SKILLS

Computer: SQL, DAX, Python, R, PowerShell, Git, Azure DevOps, Microsoft Azure (Bicep), Microsoft Power Platform

Certifications: Azure Solution Architect Expert, Azure Enterprise Data Analyst Associate, Azure Administrator Associate, Azure Database Administrator Associate, Azure Data Science Associate, Azure Data Engineer Associates, Power BI Data Analyst Associate, Azure Data Fundamentals, Azure AI Fundamentals, AWS Cloud Practitioner