

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

MSH, *Data Architect*, Nashville, TN

November 2023 – Present

- Engineered and launched a company-wide analytics platform integrating Fivetran, Snowflake, and dbt, reducing data processing time by 60% and enabling self-service analytics for 50+ employees across all organizational levels
- Implemented AI-driven automation solutions that streamlined recruitment workflows, resulting in faster candidate screening and a 5% reduction in time-to-hire while maintaining quality of hires
- Led data literacy initiatives by developing and delivering Business Intelligence training programs to 50+ employees, resulting in 10% of participants creating their own BI dashboards within 6 months
- Architected and developed AI-powered B2B SaaS products and internal tools implementing LLM and AI agent workflows, driving time savings for customer and employee throughout daily tasks

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

April 2023– November 2023

- Architected and deployed a Databricks-powered analytics platform integrating 20+ data sources, reducing data processing costs by 35% and enabling real-time analytics through custom Python, SQL, and Scala pipelines serving 1000+ employees throughout both the corporate office and field level sites
- Designed and implemented data engineering solutions including RESTful APIs and event-driven systems, resulting in 90% automation of critical business processes and reducing decision-making latency from days to minutes
- Engineered real-time data streaming solutions using Apache Kafka and Azure Event Hubs, processing 1M+ daily events and enabling executives to monitor KPIs with <5 second latency, leading to 40% faster operational decisions

LBMC, *Data Services Manager*, Brentwood, TN

June 2020– April 2023

- Led a team of 14 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
- 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
- Drove digital transformation by leading RPA development projects to increase process efficiency using machine learning and automation

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