

MICROSOFT TECHNOLOGY DATA ENGINEER**BUSINESS INTELLIGENCE (BI) ARCHITECTURE | CLOUD ARCHITECTURE | DATA ANALYSIS & ENGINEERING**

Strategic Data Engineer with career track record of success in data analytics, database engineering, business intelligence and data strategy for Microsoft product solutions. Demonstrated expertise in data technologies and architecture with proven ability to assess business requirements and develop technology plans to support corporate objectives. Recognized as a strategic innovator who consistently recommends new strategies, methodologies and solutions, including data modeling, cloud solutions and BI tools, that boost operational performance and profitability. Technical and business acumen with advanced knowledge of and experience with machine learning technologies, analytics solutions, data warehouse tools and Big Data engineering.

Areas of Excellence

Cloud Architecture • Data Analysis & Modeling • Cloud Computing • Digital Transformation • Data Warehousing
Machine Learning • Business Intelligence • Database Engineering • Big Data • Extract-Transform-Load (ETL)
Solutions Design • Program/Project Leadership • Change Management • Data Acquisition • Business Process Optimization

TECHNICAL SKILLS

Microsoft SQL Server: 2000, 2005, 2008, 2012, 2014, 2016 • Power Pivot • Kimball Data Warehouse • PowerBI • C# • R
Microsoft BI Stack: T-SQL, SSIS, SSAS, SSRS) • Microsoft Excel • Hadoop: HDInsight, HDFS, MapReduce, Hive
Microsoft Azure: Data Lake, Data Factory, Stream Analytics, Machine Learning, Storage • Spark • Teradata • U-SQL

PROFESSIONAL EXPERIENCE

ABC 2007 – Present

Data Engineer (2018 – Present)

Contracted to contribute to the design and development of data solutions for the GSMP organization to support sales and quota tool optimization and reporting. Design and deliver data strategy and solutions that align business goals with emerging technologies. Support end-to-end completion of data analytics/cloud solutions implementation projects, including capturing business requirements, facilitating weekly meetings, preparing estimates and schedule and monitoring deliverables.

- Enhanced legacy sales forecasting system after identifying redundant code and overgrown database that led to significant decrease in data collection reliability.
 - Designed star schema database and rewrote cloud solution code to improve reliability. Decreased database size from 3+ TB to 1 TB.
 - Increased data refresh rate from twice daily to every 30 minutes with zero data disruptions.
 - Reduced data retrieval time for Excel workbooks, PowerBI reports and ad-hoc queries by ~45 minutes.
- Migrated several systems from on-premise environments to cloud solution, Microsoft Azure. Designed and implemented cost-effective cloud platforms with Azure Data Lake storage solution. Incorporated numerous modern technologies, including Databricks, Spark, Scala, Azure Data Factory for ETL and PowerBI.
- Planned and delivered 3 modernization programs, which drove system efficiency improvements and increased alignment with operational goals.

Data Analytics Manager, Finance/Internal Audit (2014 – 2017)

Provided strategic leadership of Technology Enabled Continuous Analytics (TECA) team, including holding full accountability for overall architecture and data support for IT Security, Subsidiary Audit and Financial Investigation Unit. Oversaw the design and implementation of data strategy, enhancement of internal systems and analysis of potential risks to drive system success across the group. Created ETL frameworks and solutions, integrated new datasets and optimized data warehouse systems.

- Identified issue with quality of customer products due to existing technology solution limitations. Formed group of stakeholders and gathered requirements to implement enhanced data analytics solutions via Azure cloud.
- Partnered with project managers to define and implement data requirements using agile methodologies. Coordinated and led weekly synch meetings to drive collaboration, as well as prioritize and manage project deliverables.