

Profile

Analytics leader with 10+ years across utilities, healthcare, supply chain, and finance. I build BI, automation, and operational analytics systems that improve visibility and help leaders make better decisions. Currently responsible for 700M+ daily records across 3 metering systems and 100+ Power BI reports. Background includes 12 system implementations, 5 analytical roles, and 3 leadership roles. Skilled in Power BI, Snowflake, SQL, Python, R, data governance, and executive reporting.

Professional Experience

LG&E and KU Energy, Louisville, KY

Jun 2025 to Present

Supervisor, AMI Meter Analytics

My team owns the analytics, reporting, monitoring, data quality, and data infrastructure behind 1M+ electric meters and 300K+ gas meters, processing over 700M+ daily records for operations, field teams, directors, VPs, and analytics groups. Lead a team of four analysts covering AMI reporting, data governance, data quality, and operational analytics. Coached 3 analysts from non-analytical backgrounds into promoted roles, training them on Power BI, SQL, SSMS, R, Python and Snowflake.

Supported the AMI Snowflake migration including source mapping, transformation logic, validation, pipeline redesign, and analytics table development.

Built interval data transfer monitoring in R and SSMS, sampling 5% of 499M records every 15 minutes to catch issues in electric and gas data movement.

LG&E and KU Energy, Louisville, KY

Apr 2022 to Jun 2025

Senior Analyst, AMI Meter Analytics

Served as the technical and analytics lead for the AMI Meter Analytics team before stepping into the Supervisor role, focused on building the reporting, automation, monitoring, and data infrastructure behind LG&E and KU's electric and gas meter operations across Kentucky.

Built and expanded a Power BI operations platform with 100+ reports and 11+ data connections, supporting meter health, field work, executive reporting, and operational visibility.

Created custom analytics tables, ETL processes, and reporting pipelines across Command Center, MDM, SAP, MAM, geographic, and SharePoint data sources.

Developed forecasting and anomaly tools used in daily operations, including high temperature event forecasting and threshold-based system monitoring.

Coached analysts on Power BI, SQL, SSMS, R, Python, Snowflake, and meter operations analytics, helping the team take on more advanced work.

LG&E and KU Energy, Louisville, KY

Jun 2019 to Apr 2022

Senior Supply Market and Inventory Analyst, Commercial Operations

Supported analytics, reporting, contractor spend visibility, and operational decision-making for LG&E and KU Commercial Operations and Power Generation, focused on plant operations, contractor activity, purchasing, inventory, and executive KPIs across five generating plants.

Automated a preexisting 200 page monthly KPI deck covering 5 plants, distributed to plant managers, the Director of Commercial Operations, and the VP of Power Generation.

Automated 22 monthly reports and created 300+ ad-hoc analyses for Commercial Operations and Power Generation leadership tied to contractor spend, plant operations, inventory, purchasing, and operational performance.

Built a COVID contractor sequestration scenario modeling tool letting plant managers model staffing and contractor scenarios in real time, helping leadership avoid an estimated \$200K in unnecessary contractor spend.

Led development of a contractor invoice automation system for 10+ major contractors across five plants.

Expanded contractor timekeeping coverage from 3 vendors to 13 and served as system administrator.

Baptist Health System, Louisville, KY

Mar 2018 to Jun 2019

Operations Analyst, Supply Chain

Supported supply chain analytics, purchasing project tracking, and BI reporting across 5 hospitals and 500+ outpatient facilities, helping leaders evaluate purchasing activity, vendor performance, physician-preference items, and high cost equipment categories.

Led 72 purchasing projects delivering \$930K+ in first year savings, working directly with clinical leadership and System Directors on physician-preference items.

Standardized inconsistent item descriptions and units of measure across the supply catalog, enabling accurate SKU comparisons and better cost decisions.

Supported physician-preference standardization that cut costs 13% while maintaining clinical quality standards.

Built Excel VBA programs that automated procurement analysis for major vendors, eliminating 16 hours of manual work per week.

Supported system-wide expense reduction programs with clinical resource councils, balancing cost targets against quality outcomes and physician satisfaction.

Baptist Health System, Louisville, KY

Nov 2015 to Mar 2018

Supervisor, Accounts Payable

Managed corporate accounts payable across 5 hospitals and 500+ outpatient facilities in Kentucky and Indiana, focused on consolidating a fragmented AP function, implementing new finance systems, reducing processing cost, and giving leadership better visibility into AP performance.

Managed 27 specialists across 7 AP departments in Kentucky and Indiana, consolidating into a centralized shared services model of approximately 14.

Reduced AP processing costs 30% and operational costs 22% with a smaller, better-equipped team.

Led a finance automation initiative rolling out AnyDoc OCR system-wide, replacing manual invoice processing with machine-readable workflows.

Led the PeopleSoft implementation across the consolidated AP function, including new invoicing policies, standardized workflows, and specialist training on PeopleSoft, AnyDoc, OnBase, and Oracle BI Cloud.

Implemented Oracle Analytics Cloud and built dashboards delivering real-time AP KPIs to the VP of Finance, plus monthly reporting packages for the VP of Finance and ad-hoc requests for the CFO.

Education

Indiana University Bloomington, Bloomington, IN

Aug 2022 to Present

Master of Science in Data Science

University of Louisville, Louisville, KY

Aug 2016 to May 2021

Bachelor of Science in Accountancy

Links

[Portfolio Site](#), [LinkedIn](#)

Areas of Expertise

- Business Intelligence & Data Visualization
- Analytics Leadership & Team Development
- Predictive Modeling & Analytics
- Data Governance & Quality
- Data Engineering & Cloud Architecture
- Executive Reporting & Stakeholder Communication