Matthew Thompson

Manager, Data Operations & Quality Engineering

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PROFILE

Data and Analytics Specialist with 15+ years of experience bridging business strategy and data delivery within regulated financial environments. Proven leader in governance, risk-aligned analytics, and cross-functional collaboration. Adept at designing scalable data frameworks and control processes using Python, SQL, Power BI, and Snowflake. Strong record of policy implementation, documentation, and stakeholder engagement across Finance, Risk, and Operations teams.

EXPERIENCE

MANAGER, DATA OPERATIONS & QUALITY ENGINEERING
CardWorks // March 2023-Present
*(Promotion to **Director, Architecture & Innovation** Effective November 2025)*

- Lead data governance and enterprise architecture efforts to align with evolving regulatory and business requirements, assisting in implementation of Collibra and Informatica systems to support Data Governance strategy.
- Spearhead policy-driven automation initiatives supporting compliance and operational risk mitigation.
- Deliver analytics infrastructure using Python, SQL, and Snowflake, preparing the firm for integration with Collibra and Informatica, driving standardized reporting and traceable data lineage.
- Represent the Data group in enterprise governance forums, helping define and enforce cross-functional data roles, responsibilities, and controls.
- Collaborate with Finance, Technology, and Digital Product teams to operationalize data and testing strategies and reduce business risk exposure.
- Managed a team of automation engineers and SDETs to automate processes leading to 2600+ human hours saved annually (and counting)

LEAD INFORMATION ARCHITECT
CardWorks // July 2022-March 2023

- Defined and documented enterprise data standards, taxonomies, and metadata structures in support of strategic projects.
- Built ServiceNow and PowerBI-based operational tracking systems to enhance transparency and demonstrate adherence to internal controls.
- Developed metrics and monitoring dashboards using Power BI to measure policy adoption and effectiveness.

LEAD FINANCIAL SOLUTIONS ANALYST – VICE PRESIDENT
Citi // September 2021-July 2022

- Partnered with senior leadership on transformation strategies, developing dashboards, reports, and executive deliverables using KNIME, Tableau, and Python.

- Conducted data analysis and modeling to assess new business initiatives and track ROI.
- Led automation of performance reporting and strategic metric development, reviewed daily by executive team.

TREASURY DATA ANALYST II - BANKING OFFICER
M&T Bank // April 2018-September 2021

- Built SQL and Power BI-based dashboards to support financial and product performance tracking, fully automating the bank's HELOC portfolio analysis
- Conducted qualitative and quantitative analytics to support product decisions, investment strategy, and risk modeling.
- Created data lineage strategy for Treasury to enhance portfolio transparency and cross-functional collaboration.

TREASURY MODELING TECHNICAL WRITER, BANKING OFFICER
M&T Bank // September 2015-April 2018

- Documented modeling practices & theory for BAU, risk assessment, & key regulatory (CCAR, DFAST) purposes, mitigating urgent MRIA findings from the Federal Reserve on behalf of the bank's Board of Directors
- Created user documentation, process workflows, onboarding material, and implementation guidelines
- Directed conversion of documentation from independent Word documents to integrated single-source documentation embedded in Python code, creating a modular structure that created opportunities for re-use and time savings

EDUCATION	**M.S. – INFORMATION SCIENCE – AI & DATA ANALYTICS** University at Albany // 2026 expected // 4.0 GPA **B.S. – INFORMATICS – DATA ANALYTICS** University at Albany // 2024 // summa cum laude (3.98 GPA) **B.A. – WRITING** Buffalo State University // 2004-2006 Houghton University // 2001-2003
SKILLS	Python // R // SQL // SAS // Data Science // JavaScript // CSS // HTML // KNIME // Snowflake // Azure DevOps // Tableau // PowerBI //
CERTIFICATIONS	- Microsoft Azure Fundamentals - Microsoft Data Fundamentals - KNIME L1 Proficiency - CDMP Associate *(Q4 2025 Expected)*
WEBSITES	- Credly - Github - LinkedIn