

ROBERT METZKER

740.953.0802 • Columbus, OH • RMETZK@ME.COM

SR. DATA ENGINEER • SR. DATA SPECIALIST

Strategic Planner • Analytics Designer • Solutions Architect • Lead Programmer

Scalable Architecture • High Performance Pipelines • Large Scale Migrations • Data Centralization

PROFESSIONAL EXPERIENCE

OHIO BWC, Columbus OH (remote)

Jan 2021 – Jun 2023

ETL Specialist / Data Architect – Data Warehouse

Large scale migration from on-premises databases to Snowflake cloud-based solution through the use of SQL, building and managing a dbt environment, developing jinja macros, Python scripts for extracting, standardizing and loading data. Through the combination of technology stacks, reduced the weekly batch to rebuild the entire data warehouse through CI/CD repositories to nightly.

- Oversaw the development and implementation of Python scripts for complete ETL processes, leading to an operational cost reduction of approximately \$1.2 million per year by sunseting 120TB of on-premises databases
- Engineered database solutions for Tableau dashboards, reducing decision-making time by approximately 67%, thus enabling faster, more informed decisions by leveraging real-time data analysis from structured and unstructured sources
- Developed cross-platform auditing procedures, reducing data discrepancies and operational errors by up to 80%
- Implemented dynamic schema and table creation procedures for entire databases in Snowflake, optimizing thousands of inefficient SQL scripts and significantly improving performance
- Streamlined the data warehouse rebuilding process to under 7 hours, enhancing data availability and timeliness by increasing the frequency from weekly to daily, an increase of 700% in efficiency

NiSource, Columbus OH

Apr 2019 – Dec 2019

Data Architect

Responsible for Data analysis to formulate business requirements and document strategy, and develop solutions and source to target mappings. Generated data profiling processes, fostered communication and teamwork to help document data lineage and clarify data quality checkpoints.

- Led the creation and presentation of data analysis documentation in Sprint Reviews, improving data understanding and decision-making capabilities by 70%.
- Reduced potential audit risks and PII data exposure by 66% by Identify and resolving data anomalies in transactional tables
- Spearheaded data transformation initiatives, improving the turnaround times for actionable reporting table design by over 60%
- Standardized documentation processes, mitigating about 70% of technical debt and establishing best practices across all domains, significantly enhancing the efficiency and productivity of data processes

JP Morgan Chase, Columbus OH

Apr 2003 – Jun 2017

Vice President - Solution Architect

Responsible for Data analysis to formulate business requirements and document strategy, and develop solutions and source to target mappings. Provided thought leadership in generating data profiling processes to help document data lineage and clarify data quality checkpoints.

- Designed and maintained marketing campaign tracking for over 100 million customers daily, contributing to a 20% redesign in campaigns, leading to increased efficiency and effectiveness
- Developed proof-of-concept applications for MDM, harmonizing data element definitions and KPI tracking across all domains
- Optimized various database reporting systems, leading large-scale enterprise migrations and contributing to annual savings of 2 million dollars by transitioning from external to internal database systems
- Influenced database design and SQL coding best practices, enhancing support for Business Objects, Tableau, and other BI efforts, spearheading a Tableau Center of Excellence as a Tableau Visionary

Acxiom, Conway AR
Solutions Architect

1998 – 2003

SAP Business Objects, San Jose CA
Senior Technical Support

1993 – 1998

ADDITIONAL SKILLS

Skills: Writing • Training / Mentoring • SQL • T-SQL • PL/SQL • Meta Data Management (MDM) • Unix, Windows, OS, iOS scripting
Full Stack development • Data Engineer • Data Architect • Data Scientist

Programming Languages: Python • Java • Database Stored Procedures • VB Scripting • R • SAS

Business Intelligence: SAP Business Objects • Tableau • SAS • SSRS • SSAS • SSIS • Oracle Hyperion • OBIEE • Power BI
Microstrategy • Qlikview • Cognos

Performance Tuning: Snowflake • Oracle • DB2 • Sybase • Teradata • MS SQL Server • Access

Data modeling/ETL: dbt (database tools) • Ab Initio • Informatica • Erwin • Oracle Developer • TOAD • Experian Pandora
Experian Aperture Data Studio • Oracle Modeler • Filemaker