Dominic Vicchiollo

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# Summary

# A Senior Data Engineer with 10+ years shaping Microsoft Azure–based data platforms, ETL/ELT pipelines, and Enterprise Data Warehouses and Data Lakes, along with 6 years of leading, guiding and mentoring teams. Experienced in architecture design, pipeline orchestration, data modeling, and governance processes, I use my experience rising through the ranks in operations, integrating deep into businesses to deliver operating profit and revenue growth. I am hands-on with Azure Synapse, Data Factory, Functions, and ADLS Gen2 as well as any system/technology required for success. As a quick learner and coachable individual with experience analyzing all areas of business, I am able to drive desired outcomes at multiple levels.

# Technical Skills

**Languages & Tools**

Python, SQL/T SQL, HTML, Java Git/GitHub, Excel (VBA, Power Pivot, Power Query), JSON, YAML, Shell/Bash, SSMS/SSIS, VSCode, IntelliJ, Power Apps,

WinSCP/FileZilla, Postman

**Cloud & Data Platforms**

Azure Synapse Analytics (Serverless & Dedicated Pools), Azure Data Factory, Azure Functions (HTTP, Timer, Queue, Durable), Azure Durable Orchestration, ADLS Gen2, Azure Monitor & Application Insights, AWS S3/SES, Azure Key Vault, Azure DevOps

**Data Engineering & Integration**

ETL/ELT Pipeline Design, Data Lake Architecture, External Tables, Parquet/JSON/CSV, REST & SOAP APIs, OAuth2, SFTP/FTP, Event Driven Processing, Data Modeling (Star Schema, Snowflake Schema), Logging & Monitoring, Orchestration & Scheduling, Cost Optimization, M&A Data Migration

**Data Governance & Security**

Data Quality Frameworks, Metadata Management, Audit & Compliance Reporting, RBAC, RLS, System Migrations, Change Control, Documentation Standards

**Business Intelligence & Analytics**

Power BI (DAX, Data Modeling, Semantic Models, KPI Design, Row Level Security (RLS), Role Based Access Control (RBAC)), Executive Reporting, Self Service Analytics, KPI Frameworks, Financial, Compliance & Operational Analytics, NetSuite, Salesforce, Sage Intacct, Invoiced, Epicor Eclipse, SharePoint

**AI, Automation & Advanced Analytics**

Prompt Engineering, Generative AI (OpenAI, Azure AI Foundry), Web Scraping, Power Apps Automation, AI Driven Reporting, Predictive Modeling Foundations (scikit learn, LSTM prototyping)

# Awards & Certifications

* GovDocs MVP (internal recognition for excellence) – 2024
* Phocas User Group Award, Innovation – 2021
* Advanced Microsoft Power BI Certification – 2018  
   Sheboygan County Young Professionals Next Wave Award – 2015

# Key Achievements

• **Built the Enterprise Data Lake** by deploying Azure Synapse over ADLS Gen2 for a $25M SaaS company, owning the end to end architecture and maintaining run costs under $250 per month while enabling scalable integrations and reporting.  
• **Recovered Measurable Value through an Audit Program** at Dakota Supply Group that exposed freight errors and process gaps, reduced financial discrepancies, and recovered approximately two hundred eighty thousand dollars in recurring rebates each year.  
• **Delivered Workforce Planning at Scale During the COVID Pandemic** with dashboards across twenty six branches that linked hours to productivity, guided targeted hour reductions, and helped avoid layoffs while maintaining service levels.  
• **Established Enterprise KPI Frameworks and Semantic Models** for Operations, Finance, HR, and Compliance, aligning definitions, data contracts, and reporting views to accelerate cross department processes and improve stakeholder trust.  
• **Led Multi Month, Cross Functional Initiatives as the Senior Data Engineer** running weekly stakeholder reviews, coordinating with solution architecture and customer success partners, and delivering C suite reporting with clear adoption, satisfaction, and value outcomes.

# Experience

## Senior Data Engineer GovDocs – Eagan, MN

**Dec 2024 – Present**

• **Led the Strategy of Design for Customer Facing Implementations of Azure Function Apps** including HTTP, Timer, Queue, and Durable Orchestration to automate ETL and Generative AI workflows, translating business needs into scalable, resilient solutions.  
• **Architected and Maintained Data Integrations** between the Azure Stack, AWS S3, and Amazon SES including Functions, Storage, and Synapse, building reliable pipelines for customer invoice reporting, automated customized solutions, and multi system data exchange.  
• **Designed Analytical Reporting** including web scraping, Power Apps automation, and AI assisted enrichment using OpenAI and Microsoft AI Foundry, and operationalized outputs in Power BI to meet stakeholder reporting requirements.  
• **Delivered Curated, Governed Datasets** in Power BI for compliance law analysis, AR validation, financial ledger reconciliation, and cross department reporting, supporting more than 65 employees with consistent, self service access to trusted data.  
• **Established Production Grade Observability** with Application Insights and Azure Monitor, implementing structured logging, alerting, and error handling; proactively identified risks, closed gaps, and improved data pipeline reliability and customer health.  
• **Implemented Data Governance at scale** including RBAC and RLS policies across Power BI and Synapse; documented features, data contracts, and operating procedures for internal teams and external partners.  
• **Provided Technical Leadership** across multi month, cross functional initiatives, defining tasks, contributing to project plans, mentoring team members, and delivering weekly stakeholder updates and executive ready presentations.  
• **Drove Adoption and Value Realization** during a complex system conversion across ERP, CRM, and Finance, serving as a key liaison to sync, validate, and reconcile data across platforms; partnered with success and architecture stakeholders to ensure smooth transitions and measurable outcomes.  
• **Conducted Technical Assessments of Data Management Architectures** covering schema design, ETL patterns, API integrations, and performance, then recommended optimizations aligned to modern cloud data platforms within the Azure stack.   
• **Collaborated Across the Lifecycle** with solution architecture, and internal/external customer success to ensure clean handoffs from the thought engagement process through onboarding operations; collected, managed and implemented enhancements from feedback.  
• **Hand On with Core Tools** including advanced SQL for diagnostics and performance tuning, advanced Python for orchestration, data quality, and automation, integration exposure to ERP and finance ecosystems such as Netsuite, Intacct, Salesforce, and Invoiced, and BI platforms.

## Data Engineer GovDocs – Eagan, MN

**May 2023 – Dec 2024**

• **Developed the Strategy, Designed & Build** of the Azure Data Lake Storage Gen2 end to end from first principles, designing an architecture that integrates more than nine enterprise systems and establishing foundational patterns for data ingestion and governance.  
• **Implemented a Synapse Serverless Analytics Layer** by creating multiple databases with external tables and views over Parquet in ADLS Gen2, enabling analytics, automated curation, and customer facing data applications.  
• **Partnered Across Teams During Multi-System Migrations** acting as the data backbone to validate and synchronize records between platforms, maintaining continuity and data consistency throughout cutovers.  
• **Engineered scalable ETL and ELT Pipelines for Multiple System Conversion** to migrate, validate, and synchronize ERP, CRM, and financial datasets, with rigorous data quality checks, idempotency, and recovery in mind.  
• **Established a Company-wide Power BI Environment** delivering dozens of apps with interactive dashboards, reports, and retrieval tools for Legal Compliance, Finance, and Operations, and promoting governed self service.

## Business Intelligence & Data Manager Dakota Supply Group – Plymouth, MN

**Nov 2020 – Apr 2023**

• **Developed and Matured the Corporate Data Platform** including Power BI and exploratory data analysis for a user base of 500+ users, building KPI driven models and reports for executive and operational use, and standardizing reusable datasets and semantic models to enable data driven strategies and decisions.

**• Built and Mentored a High Performing Team of Analysts and Database Architects** to deliver customer facing data integrations, governed datasets, and reporting solutions, establishing standards for code review, documentation, project planning, and knowledge sharing while aligning work with expected outcomes and adoption goals.

• **Engineered and Operated ETL and ELT Pipelines** using SSMS and SQL, Python, SFTP, SSIS, and APIs to integrate enterprise data sources into curated datasets for analytics, aligning integrations and data contracts with customer requirements and leading practices.  
• **Managed Database Health and Data Quality at Scale** across multi-terabyte SQL environments by implementing rigorous checks, observability, and documentation, improving reliability, performance, and stakeholder confidence in critical reporting.  
• **Supported Large Scale System Migrations** across twenty four conversions by designing data workstreams for system conversions and migration routines, and delivering post acquisition reporting and reconciliations that ensured data quality and accuracy.  
• **Created a Financial Audit Program with Measurable Impact** for approximately $210M in inventory that improved variance tracking and issue resolution, uncovered more than $225k in unclaimed rebates annually, exposed and developed improvement strategy for process gaps that were driving general ledger leakage.

## Business Process Analyst Sonepar-VES – Minneapolis, MN

**May 2017 – Nov 2020**

• **Collaborated with Business and Technical Leaders to Define KPI Driven Reporting** in Power BI, using SSMS and SQL to design BAQs and reusable views that aligned metrics with expected outcomes and decision making needs.  
• **Led Cross Functional Implementation Teams Across Distribution Centers** including two central RF conversions with a combined budget of one point five million and several regional conversions, applying SQL and Eclipse data to build   
• **Instrumented Rollout Programs with Data Pipelines and Validation Checks** to support RF conversions, cycle counting, and routing, enabling accurate cutover readiness, measurable adoption across locations, and consistent data quality standards.  
• **Delivered Workforce Planning Models and Dashboards for the Executive Team During the COVID Pandemic** integrating HR and Operations data into Power BI to measure true productivity and inform real time staffing decisions on where and how to make hour reductions, resulting in no layoffs across twenty four locations in 2020.   
• **Authored Comprehensive Operational Documentation** including hundreds of pages of standard operating procedures, process improvement plans, and process flow diagrams that established clear roles, inputs, outputs, and quality checkpoints.  
• **Supported and Coached a Team of Analysts and Specialists post Conversion** by redefining processes, developing reporting, and guiding technology implementations that enabled operational efficiencies, adoption, and continuous improvement.  
• **Mastered SSMS and SQL Foundations and Automated Recurring Reporting** in Excel and Power BI for Operations and Sales, HR, Procurement, and Marketing standardizing definitions, schedules, and ownership to improve reliability and stakeholder trust.

• **Developed Power BI Reporting for Strategic Projects** for teams across the organization, supporting 250 users across all departments in targeted improvement efforts where we identified areas in the business to improve and developed an improvement strategy supported by measurable and reportable goals within Power BI. A few of these projects included:

* **Productivity reporting for HR & Operations Management** used in FTE Capacity planning and headcount decisions
* **Distribution centers and RDC slotting and capacity planning** algorithms that optimized travel paths, aligning high ranking items with pick density paths, resulting in a 5 second decrease in average pick time for every item picked.
* **Vendor Scorecard for Procurement** used by the purchasing team to support improvement conversations with vendors around lead times, on time delivery, defective/return rates and PO completeness.

## Project Logistics Manager Sonepar-VES – Minneapolis, MN

**May 2015 – May 2017**

• **Managed a Team of Strategic Logistics Analysts** delivering business process improvements and cross department alignment on designs, projects, capacity planning models, and corporate project execution, while defining end to end processes and aligning multiple departments through clear objectives, documentation, stakeholder communication, and measurable outcomes.  
• **Orchestrated a Facility Relocation** and new warehouse standup for the Project Logistics Center, coordinating cross functional partners, data migration activities, and operational reporting, and establishing shared intake and escalation paths so departments executed to the same plan.  
• **Led the ERP conversion for Eclipse Job Management** by coordinating testing, data validation, and process alignment across operations, finance, and IT, and developing SQL queries and Power BI prototypes to support reporting, adoption, and internal customer reporting.   
• **Worked with Vendors to Improve Strategic Project Alignment** by aligning owners, inputs, outputs, and service level expectations across procurement, logistics, finance, and customer service, and publishing SOPs and operating rhythms that improved handoffs, cycle times, and accountability.

## Branch Operations Manager Sonepar-VES – Sheboygan, WI

**May 2013 – May 2015**

• **Managed a Branch of 19 Team Members Across Administration, Sales, Project Teams, and Operations,** managing with an empathetical mindset setting clear goals, spending half my time coaching, and maintaining performance check-ins to improve accountability and outcomes.  
• **Negotiated Facility Expansion** by coordinating a building lease and adding fifteen thousand square feet of warehouse capacity, aligning timelines, budget, and operational readiness.  
• **Planned and Executed Education and Marketing Events** in collaboration with vendors, including several continuing education, counter days, and all day tool shows to drive revenue, partner and most importantly, customer engagement.  
• **Introduced KPI Dashboards and Formalized Operating Procedures** documenting flows and controls to improve compliance, transparency, and performance. One staple example is a forty seven minute improvement on morning delivery departure.

• **Partnered with Sales and Project Teams** on securing several multi-year, multi-million dollar notable projects in Sheboygan County including:

* **Acuity Insurance Compound Development** – including lighting for the “World’s Tallest Sign of Freedom” – a 400 ft American Flag
* **Edgewater Power Plant** – secured an out of state customer contract spearheading a new corporate drop storage inventory initiative which resulted in the foundation of a new service in multiple regions.
* **Sargento Cheese Lighting Project –** complete LED renovation for entire plant
* **Johnsonville Brats Lighting Project –** complete LED renovation for entire plant
* **Sheboygan Veteran’s Memorial Lighting –** over the course of my time as a manager, I hired 4 Veterans because of the discipline, work ethic and commitment they consistently displayed. In honor of their military service, I spearheaded a collection fund through community, corporate and vendor donations to fund the Sheboygan County Veterans Memorial Lighting Project.