

TREVER ALEXANDER

Senior Data Engineering Manager | Azure · Databricks · BI & Analytics
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PROFESSIONAL SUMMARY

Data Engineering Manager with 9+ years delivering enterprise-scale data platforms across Healthcare, Manufacturing, TMT, and Retail. Proven record leading cross-functional teams of 3–5 engineers at EY and top-tier consulting clients, architecting medallion-pattern pipelines on Azure Databricks and Azure Data Factory that migrate tens of millions of records from legacy systems. Equally skilled in BI strategy—modernizing manual reporting into automated Tableau and Power BI solutions that accelerate executive decision-making. Known for translating ambiguous business problems into production-grade data systems under tight delivery timelines.

CORE COMPETENCIES

Cloud & Platforms: Azure Databricks (Medallion Architecture), Azure Data Factory, Azure Data Lake Storage Gen2, Azure Key Vault, Microsoft Fabric, Amazon S3, Snowflake, CI/CD Pipelines

Data Engineering: ETL/ELT Design, PySpark, SnapLogic, SSIS/SSAS, SQL (advanced), Python (Pandas, NumPy, Polars), DAX

BI & Visualization: Power BI, Tableau, Looker, SSRS

Platforms & CRM: Salesforce, Microsoft Dynamics 365, Gainsight NXT, Oracle

Leadership & Delivery: Technical Team Lead (up to 5 engineers), Agile/Scrum, Azure DevOps, Jira, Client Stakeholder Management

PROFESSIONAL EXPERIENCE

Global Technology Consultant Manager · EY (Ernst & Young) *Nov 2019 – Present*

State-Wide Case Management System Migration (Government / Public Sector)

- Led a team of 3 engineers to migrate terabytes of state government case records from Oracle and on-premises file shares into a cloud-native Azure platform, enabling a compliant, scalable data foundation for statewide case management.
- Designed and implemented Databricks medallion-architecture pipelines with Azure Data Factory and ADLS Gen2, reducing data processing latency and establishing reusable pipeline frameworks adopted across subsequent EY engagements.
- Partnered with architects, client SMEs, and PMs to define technical standards and govern engineering best practices throughout a multi-year delivery lifecycle.

Enterprise CRM Data Migration — Global Manufacturing Client (\$Multi-Million Program)

- Managed and mentored a team of 5 engineers to design scalable ingestion pipelines using Azure Data Factory, ADLS Gen2, and Azure Databricks, migrating millions of records from 3 legacy ERP systems into a centralized CRM platform.
- Unified siloed enterprise data across business units, enabling real-time accessibility for sales, operations, and executive reporting—directly supporting post-merger consolidation goals.
- Delivered migration 2 weeks ahead of schedule by re-engineering attachment data extraction logic, eliminating the critical bottleneck driving the majority of pipeline delay and reducing total pipeline runtime by an estimated 35%.

CSM Platform Migration — Global Technology Client (Gainsight NXT)

- Led a team of 3 engineers to migrate millions of customer success records from fragmented Salesforce and Dynamics 365 instances into Gainsight NXT, consolidating 2 systems into a single customer 360 view.
- Architected end-to-end ETL pipelines using SnapLogic and Databricks; enforced data quality gates at each stage, achieving >99% record fidelity on go-live.

CRM Migration — Major Consumer Products & Retail Client (Salesforce → Dynamics 365)

- Spearheaded the data integration strategy to migrate millions of customer and transactional records from Salesforce into Microsoft Dynamics 365, maintaining 100% data integrity across complex relational schemas.
- Defined field mapping, transformation logic, and reconciliation procedures adopted as the client's internal migration playbook for future system transitions.

BI Modernization — Healthcare Insurance Provider

- Served as SME and Lead BI Developer to transform 20+ manual Excel-based reports into automated, multi-functional Tableau dashboards, eliminating hours of weekly manual data preparation.
- Delivered an executive reporting suite for VP-level leadership that surfaced previously untapped KPIs, directly influencing claims operations strategy.
- Led an analytics governance team in standardizing departmental reporting definitions and access controls, improving data consistency across business lines.

Business Intelligence Developer & Data Engineer · **Aptitive** *Nov 2018 – Oct 2019*

- Led BI modernization for a major manufacturing client—integrated customer, product registration, and sales data streams; replaced legacy SSRS reports with dynamic Power BI dashboards, reducing report refresh time from daily manual cycles to real-time automated updates.
- Engineered real-time Looker dashboards on a Snowflake data warehouse to surface complex operational metrics; presented findings and data visualization strategy to 500+ attendees at the company's annual Data Science Fair.

Business Intelligence Developer · **Press Ganey** *Apr 2017 – Nov 2018*

- Designed and automated ETL processes for IT Operations governance reporting, reducing manual reporting effort and improving data accuracy for enterprise-wide operational metrics.
- Built BI reports and executive dashboards delivering actionable insights to C-suite and business leaders, supporting strategic planning and resource allocation decisions.

EDUCATION

Bachelor of Business Administration — Marketing & Business Analytics / Information Systems

The University of Iowa, Iowa City, IA · Graduated Dec 2016

CERTIFICATIONS

- Databricks Lakehouse Fundamentals · Databricks · Issued Nov 2022
- Databricks Fundamentals · Databricks · Issued Mar 2026
- Azure Data Engineer Associate (DP-203) · Microsoft · In Progress
- Databricks Certified Data Engineer Associate · Databricks · In Progress
- AWS Certified Data Engineer – Associate · Amazon Web Services · Planned

SELECTED PROJECTS

Insurance Licensing Migration Pipeline · *Databricks · Delta Lake · Azure Data Factory · Dynamics 365*

- Architected a full Bronze → Silver → Gold medallion pipeline to migrate licensing data from ALIS, COREN, and Siebel into Microsoft Dynamics 365, with automated validation gates enforcing data quality at each transformation layer across terabytes of source data.
- Built idempotent, re-runnable pipeline stages enabling safe reruns without data duplication — reducing production incident risk on a zero-downtime go-live.

Reusable MERGE Framework · *Spark SQL · Delta Lake · PySpark*

- Designed a standardized MERGE statement framework for idempotent upsert operations across Silver and Gold Delta Lake schemas, eliminating ad hoc upsert logic across 20+ Databricks transformation notebooks and reducing notebook dev time and error rates.

BPF Instance Manager · *Dynamics 365 · FetchXML · XRM Toolbox*

- Built custom tooling to manage Business Process Flow instances at scale in Dynamics 365 — enabling bulk operations, deletion scripts, and state transitions across thousands of CRM records, replacing manual one-by-one UI workflows.