CASE STUDY: WORLD-WIDE BREWING COMPANY

Replaced outdated systems with Databricks, integrating real-time data analytics and AI capabilities to unify the company's supply chain operations.

The problem:

This world-wide brewing company aimed to unify their supply chain analytics and modernize their data infrastructure to align departments and streamline operations. However, fragmented systems and outdated technology prevented them from achieving a cohesive view of their supply chain, limiting their ability to make informed, strategic decisions.

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The solution:

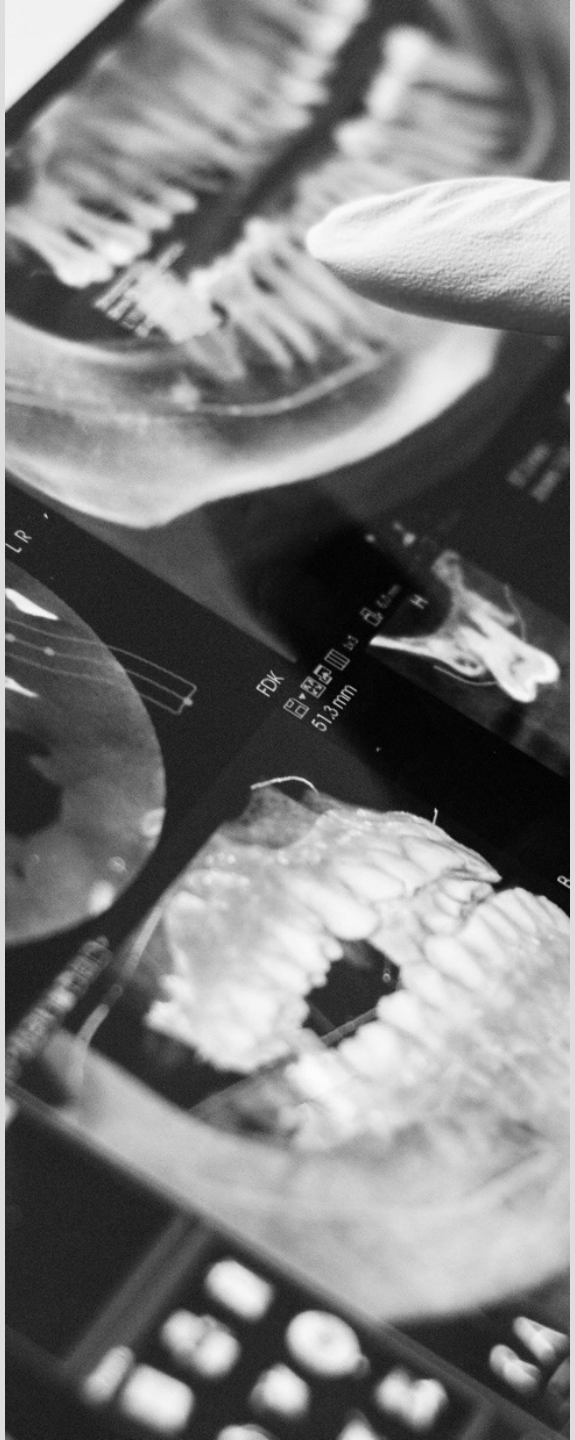
- Replaced legacy systems with Databricks, reducing development costs and technical debt, while improving the scalability and performance of their data infrastructure.
- Simplified modern data stack by eliminating Snowflake from the supply chain analytics data flows to Power BI and their Generative AI solution.
- Leveraged Unity Catalog to unify fragmented supply chain analytics across teams, improving data governance, reducing errors, and ensuring consistent reporting for better decision-making.
- Developed tailored data structures, which enhanced the accuracy of their analytics, enabling them to understand key metrics, such as on-time delivery and to identify root causes like carrier performance and equipment availability.

CASE STUDY: CAREQUEST INSTITUTE

Built a custom data infrastructure using Databricks to streamline data management and storage, plus enhance data science capabilities.

The problem:

After separating from an affiliate, CareQuest needed to establish a robust and independent technological foundation. With data coming from 20 different sources, organizing their data assets and enhancing their data science capabilities to handle unstructured data effectively became essential. They aimed to build a comprehensive architecture stack, streamline data management and storage, and improve their reporting and dashboarding capabilities.



Analytics8

The solution:

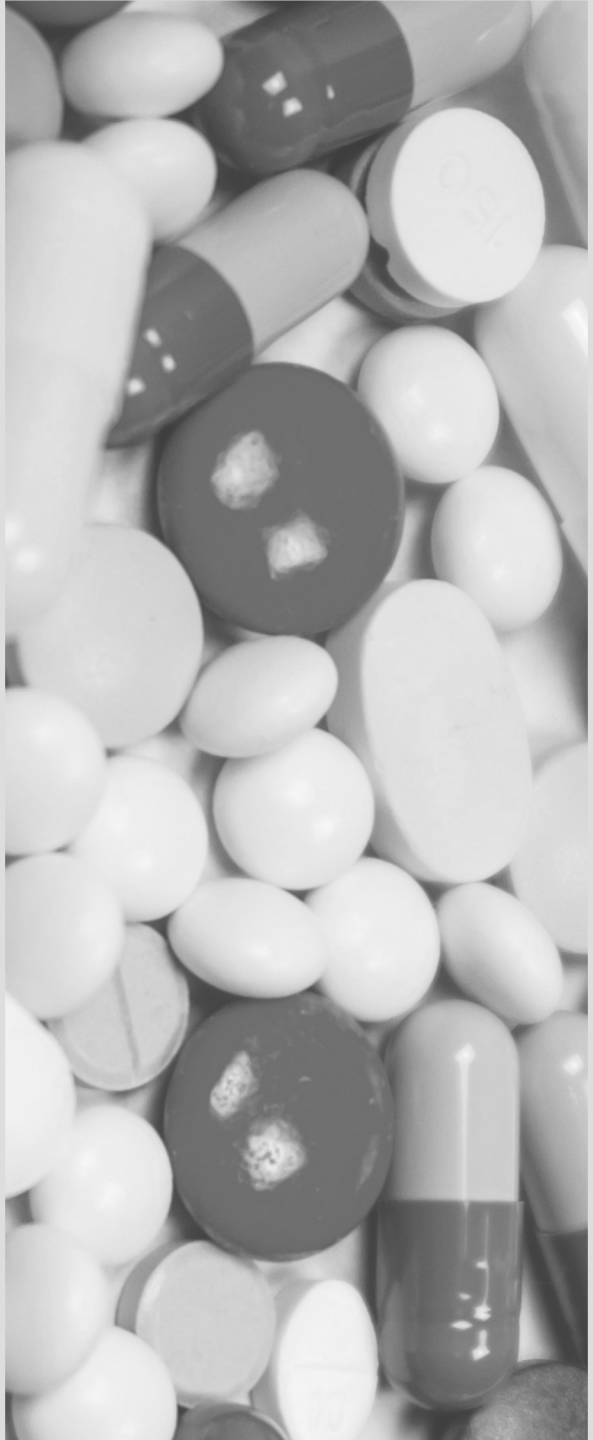
- Established a scalable cloud infrastructure, capable of managing 13 terabytes of data.
- Performed a data migration to Databricks and Microsoft Azure, enabling the transfer of large data volumes into their new environment quickly and cost-effectively.
- Developed ingestion pipelines and transformation logic to automate ingestion of Medicare and Medicaid research data into Databricks Delta Tables.
- Implemented Databricks' Notebook orchestration and a CI/CD pipeline to facilitate data analysis, streamline data workflows, and automate data engineering tasks.
- Accelerated advanced analytics capabilities by enabling analysts to work in R — a language they were familiar with— ensuring everyone worked from the same governed data assets.

CASE STUDY: BIOPHARMA GIANT

Provided Databricks optimizations to automate manual data processes and integrate complex data sources, streamlining workflows and accelerating insights.

The problem:

This global biopharma leader was underutilizing their Databricks implementation and wanted to augment their in-house expertise with expert consulting to fully leverage the platform's capabilities. They needed time-sensitive and accurate data insights for strategic operational decisions and confident contract negotiations.



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The solution:

- Migrated ETL processes from Qlik into Databricks, automating legacy data processing and data integration, which reduced manual data handling to enable quicker, more reliable data insights.
- Created logical data models tailored to specific business challenges, such as market share analysis, gross-to-net calculations, and a comprehensive view of patient experiences. This allowed them to interpret metrics more accurately and make more informed decisions.
- Implemented Databricks' serverless SQL warehouse to manage large datasets, eliminating the need for manual server management and ensuring scalable, efficient data processing.
- Utilized Delta tables to improve data accessibility and streamline data processing, providing a unified storage format that enables faster queries and real-time data updates.

CASE STUDY: PHARMACEUTICAL DISTRIBUTOR

Optimized Databricks to automate data processes, enhance data governance, and lay the foundation for machine learning to drive nationwide growth.

The problem:

To expand their distribution network and support strategic growth, a national pharmaceutical distributor needed to improve data accessibility, enhance data quality, establish deeper data trust, and standardize business intelligence across the organization. Without a dedicated data team and a centralized data platform, the company struggled to gain accurate and up-to-date insights to make informed decisions regarding market demands.

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The solution:

- Automated data ingestion and transformation processes from a legacy mainframe system, reducing manual handling, increasing efficiency, and enabling consistent, accurate data models for enhanced Power BI reporting and analysis. This allowed for aggregate views that were previously difficult to achieve.
- Unified disparate data sources into a centralized platform, providing visibility to enhance product profitability through accurate purchasing, pricing, and sales insights.
- Implemented Unity Catalog for comprehensive data lineage and metadata management to improve data understanding and trust, ensuring consistent and accurate data across the organization.
- Harmonized diverse data sets within Databricks to lay the foundation for machine learning and AI, enabling the company to forecast changes in the pharmaceutical product market and customer demand.

United Vein & VASCULAR CENTERS®

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Implementing Databricks with Analytics8 was a critical move for United Vein and Vascular Centers. The platform has allowed us to build a robust Enterprise Data Warehouse from the ground up, automating previously manual processes and enhancing the accuracy and trust in our data.

This shift has been essential in supporting our acquisition strategy and managing the complex health data we deal with daily. It has also given us true insight into our day-to-day operations, allowing us to make better, more informed decisions."

— Marvin Al-Khafaji

CIO, United Vein and Vascular Centers