

Simplifying Healthcare Revenue Management with Databricks

ORGANIZATION

XTIVIA's client is a healthcare revenue management software-as-a-service (SaaS) provider. They offer end-to-end revenue management solutions that adapt to healthcare professionals, freeing providers and payers from complexity and inefficiency. Our client provides an end-to-end software platform that helps healthcare organizations increase revenue, reduce cost, expand cash collections, and ensure regulatory compliance across the entire revenue cycle continuum.

CHALLENGE

Our client needed to modernize its environment since their current Hadoop ecosystem became unscalable, extremely complicated, and fragmented. Their current processes were error-prone, poorly documented, and dependent on individuals. They wanted a solution that could easily integrate with that product and scale and effectively support analytics, machine learning, and AI.

TECHNICAL SOLUTION

XTIVIA collaborated with the client to simplify data integration for the modern data stack with Databricks. We enable powerful data movement from raw data to real-world analytics, BI, and AI on an intelligence data platform. We finally provided a data pipeline design that includes incremental data ingestion from its data sources through sanity checks, cleanup, standardization, integration, and storage. XTIVIA also implemented workflows to consolidate all the required data to support the data mining needs for all lines of business, including commercial, Medicare, and Medicaid, and ensure that the process would quickly scale for future business needs.

BUSINESS RESULT

Our client realized the following benefits from the above migration effort:

- The ability to process data faster and build continuous delivery data pipelines.
- We made building a model that delivers a better user experience easier.
- Scalable analytics platform that saves costs by reducing dependency and enabling the sharing of best practices.
- XTIVIA supported the post-production environment. Therefore, the client was able to engage their internal resources in more strategic initiatives.

SOFTWARE

Azure

KEYWORDS

Hadoop, Databricks, Migration, Data mining, Cosmos Database, Workflows, Delta Tables, Data Architecture, Azure Data Engineering, Cloud Data Engineering

ABOUT XTIVIA

XTIVIA is a proven technology integration and innovation company known for delivering leading-edge technology solutions to our client's specific requirements, regardless of project complexity. We bring next-level business operations to reality through Application Development, Business Intelligence, Data Warehousing, Database Support and management, Enterprise Information Management, Digital Experience Solutions, and Enterprise Resource Planning. Our success stems from a demonstrated ability to deliver deep expertise via professional services, empowering clients to successfully, competitively, and profitably leverage their chosen technology. XTIVIA has offices in Colorado, New York, New Jersey, Missouri, Texas, Virginia and India. www.xtivia.com