



Building a Scalable Data Backbone for a European Fintech Leader

Transforming compliance and reporting with a metadata-driven platform on Microsoft Fabric



As a prominent European fintech company known for its innovative approach to social investing and multi-asset trading, the company has built a strong brand rooted in user experience and technology. As it scaled operations across Europe and beyond, consistent growth in user acquisition and trading volumes began to place increasing pressure on its data infrastructure and governance capabilities.

Keeping Pace with a Fast-Moving Industry

Operating in a rapidly evolving industry, the client was contending with increased user adoption of digital platforms, tighter regulatory oversight, and rising expectations for real-time insights. These forces uncovered a major limitation in the client's existing data setup: a lack of scalability, fragmented governance, and inefficiencies in data consumption. To maintain momentum and continue innovating, the client needed a robust, unified data platform to modernize reporting, compliance, and analytics at scale.

With a proven track record in building modern data platforms using cloud-native technologies, Brillio was chosen to lead this endeavor. Brillio's strong capabilities in metadata-driven ETL, Microsoft Fabric, and data governance frameworks aligned with the client's need for scalability, flexibility, and control.

Growing regulatory demands and the need for real-time analytics exposed critical infrastructure gaps

A Unified, Governed Platform Built on Microsoft Fabric

To meet the client's need for a scalable, efficient, and future-ready data foundation, Brillio proposed a modern solution built on Microsoft Fabric. The architecture was designed around OneLake, serving as the central data repository. The team implemented a multi-layered structure that ensured clean data progression from raw ingestion to analytics-ready outputs – specifically through distinct Bronze, Silver, and Gold layers.

At the base, the Bronze Layer was responsible for raw data ingestion. It handled input from Parquet files and preserved data fidelity while enabling full auditability – ensuring that no information was lost in the transition from source to system. Above it,

the Silver Layer applied essential technical rules, such as deduplication, column standardization, and Slowly Changing Dimension (SCD2) logic. These mechanisms guaranteed clean, consistent, and accurate datasets that could be trusted downstream. Finally, the Gold Layer introduced support for business logic and analytics use cases, transforming the cleaned data into enriched, consumable formats for reporting and decision-making.

A key differentiator of Brillio's approach was the implementation of a metadata-driven ETL framework. This framework externalized the transformation logic, quality rules, and

From ingestion to analytics, a multi-layered architecture for growth and agility

source-to-target mappings, making it easy to dynamically configure pipelines without requiring hard-coded changes. This streamlined onboarding of new datasets and significantly reduced code maintenance and manual intervention. All pipeline dependencies were centrally managed through configuration files, enabling transparency and increasing reusability across different components of the solution.

Additionally, Brillio integrated Microsoft Purview at an early stage to bring in governance, lineage tracking, and data quality validation from the ground up. By embedding observability and control into the architecture from the start, the platform was built to scale with the client's growing business needs while remaining adaptive to evolving regulatory requirements. The combination of Microsoft Fabric, metadata automation, and governance-first design enabled the client to reduce manual overhead, accelerate delivery timelines, and establish confidence in the consistency and reliability of their data ecosystem.

A Structured Deployment

Brillio followed a structured, collaborative methodology. It began with a deep-dive discovery phase that assessed the existing architecture, data flows, and operational pain points. Workshops were conducted to evaluate use cases and co-design the future architecture. Joint refinement sessions ensured requirements were continuously validated and prioritized.

Daily checkpoints, knowledge transfer sessions, and milestone reviews kept both teams in sync, enabling gradual handover of platform ownership. Microsoft also played a critical role, providing Fabric and Purview access and supporting key environment activities - ensuring tight alignment throughout.

Co-innovation,
transparency, and
shared ownership
defined the delivery
approach

Accelerated Delivery, Strategic Alignment, and Data Confidence

The new architecture led to faster development cycles and accelerated time to value, as onboarding new datasets became significantly easier. Maintenance costs dropped due to configuration-based transformations rather than hardcoded changes. The platform also improved data quality and consistency, giving the client greater control over compliance and reporting.

Strategically, the project rebuilt trust in data, enhanced collaboration between business and technical teams, and created a resilient foundation to support future expansion and innovation.

Brillio's solution delivered measurable value across operational and strategic dimensions



ABOUT BRILLIO

Brillio is a digital technology services company that drives AI-first engineering and design-led experiences for global enterprises. Born digital in 2014, its consulting-led services span Customer Experience, Data & AI, Product Engineering, and Digital Infrastructure. With an industry-leading NPS of 71, Brillio accelerates time to market through its proprietary BrillioOne.ai platform, powered by AI-ready talent with deep domain expertise.

Brillio is the official Digital Transformation Partner and the official Data and AI Services Provider of Atlassian Williams Racing. Brillio partners with leading technology providers including Microsoft, AWS, Google Cloud, Salesforce, Adobe, Databricks, and Snowflake and operates with 6,000+ “Brillians” across 15 global delivery centers. Consistently recognized as a Great Place to Work® since 2021, Brillio blends innovation, talent, and purpose to deliver measurable outcomes for clients and fulfilling careers for employees.



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