

Modernizing a SaaS Data Platform with a Governed Databricks Lakehouse

A SaaS company needed to replace fragmented pipelines, inconsistent metrics, and limited governance with a trusted data foundation for analytics and artificial intelligence.

Approach

G-TECH aligned the modernization roadmap to the client's business outcomes, then designed a lakehouse architecture with governed Bronze, Silver, and Gold data layers. The plan prioritized scalable ingestion, consistent metrics, access control, and production-ready analytics and AI workloads.

Solution

The team implemented a Databricks Lakehouse governed through Unity Catalog and standardized Delta Lake pipelines with incremental processing. Centralized lineage, permissions, and auditability created a dependable platform for curated data products, advanced analytics, and AI use cases.

Results

Processing time decreased from hours to minutes, every dataset became governed and traceable, and the platform now supports advanced analytics and AI at enterprise scale. More than 45 specialized data engineers supported the delivery program.

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