



## CASE STUDY

# Data Platform Engineering for Secure B2B Analytics Delivery

### Client Profile

A global data and identity intelligence company serving enterprise providers engaged by our expert team to support the development and expansion of its next-generation B2B analytics platform. The platform powers real-time decision making, fraud detection, and reporting capabilities across highly regulated datasets and customer segments.

### Business Need

As the client launched its cloud-native Connected Platform, it required a team of analytics engineers with deep experience in data engineering, ETL pipelines, and AWS-native technologies. The initiative demanded secure and reliable integration of data pipelines, automation of deployment workflows, and real-time support for production reporting environments, all within a highly regulated ecosystem.

### Scope of Engagement

Our expert team, composed of both onshore and nearshore engineers based across the U.S. and Costa Rica, was fully integrated into the client's cross-functional engineering organization. Together, we partnered to deliver secure, scalable data infrastructure for the Connected Platform.

### Responsibilities

- Engineering and maintaining enterprise-grade ETL pipelines to aggregate and structure large-scale data for reporting and analytics
- Supporting the transition from legacy RESTful APIs to a modern, cloud-native data services model
- Driving automation initiatives to enhance stability, scalability, and visibility across ingestion and transformation processes
- Collaborating closely with product managers, QA teams, DevOps engineers, and business analysts to meet delivery targets in an Agile development environment
- Implementing and managing CI/CD workflows using GitHub Actions and AWS CodeBuild to streamline deployments and reduce manual error
- Ensuring secure data access through AWS-native identity and access controls, aligned with internal compliance and governance policies

## Approach

- Deployed a blended onshore/nearshore team of Full Stack and Analytics Engineers based in the U.S. and Costa Rica
- Supported back-end data architecture, enabling real-time aggregation from multiple sources into a centralized reporting database
- Implemented automated deployment and monitoring processes using AWS CodeBuild, GitHub Actions, Docker, and Kubernetes
- Participated in full SDLC using Agile methodologies, with defined sprint planning, testing, and continuous integration
- Built and exposed secure APIs and data services for internal business intelligence and external partner reporting
- Ensured robust performance and on-call support for real-time production environments handling sensitive financial data

## Key Outcomes

- Successfully transitioned legacy infrastructure to cloud-first, modular, and scalable data pipelines
- Enhanced system reliability and speed through automated CI/CD processes using secure AWS tooling
- Increased visibility and traceability of ETL processes, reducing risk and operational overhead
- Supported the delivery of real-time reporting and decisioning services for financial industry clients
- Contributed to innovation culture through close partnership with product managers and engineering leadership

## Differentiators Demonstrated

- End-to-end ownership of secure cloud data pipelines in high-availability environments
- Deep technical capabilities across ETL, DevOps, and full-stack development
- Proven experience in regulated industries with a focus on data governance and platform reliability
- Ability to integrate technical innovation with enterprise-scale delivery practices
- Flexible resource model with bilingual nearshore/onshore team structure for around-the-clock support and cost-effective delivery

