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Streamlining Business Processes Through Cloud Integration for a leading Maker of Condiments

Improving cost savings, ROI, and scalability through an innovative solution within a short time frame with minimal disruption

With a history spanning over 200 years, founded in Japan, the client currently stands as one of the leading makers of condiments and sauces in the United States, boasting 17 manufacturing facilities. Committed to delivering top quality and attaining a robust market presence, the company caters to a diverse clientele encompassing retailers, restaurants, and food service providers.

In the dynamic landscape of the food industry, maintaining a competitive edge requires efficient supply chain operations management, precise forecasting, and agile decision-making processes. However, the client encountered roadblocks in optimizing its manufacturing and distribution channels, grappling with challenges such as ensuring prompt replenishment, monitoring sales performance, fostering robust vendor relationships, and aligning purchase prices with standard costs. Recognizing the imperative for real-time insights, data accuracy, and streamlined operations, the company embarked on a quest for a comprehensive business intelligence solution and sought a strategic partner to guide the journey from conceptualization to implementation.

Drawing upon extensive proficiency in data analytics, cloud technologies, and business intelligence solutions coupled with a proven track record of successful implementations and industry insights, Brillio emerged as the ideal partner for the client's ambitious business transformation endeavors.

Crafting a Comprehensive Solution: Empowering Operations with Azure, Dynamics 365 F&O, RedZone (Snowflake), and MS PowerBI

Following the initial assessment, a comprehensive solution was crafted, harnessing the capabilities of Microsoft Azure services, MS PowerBI, and Azure Synapse Analytics, tailored to address the company's business requirements.

Robust ETL processes were deployed, orchestrating data extraction from diverse sources, including D365 F&O, Snowflake, and ADLS Gen2. This data was transformed and channeled into Azure Synapse Analytics, establishing a centralized repository for streamlined storage and insightful analysis.

Furthermore, interactive MS PowerBI dashboards tailored to the client's specific needs were engineered, covering essential areas such as Material Requirements Planning, Daily Sales Reports, Purchase Price Variance, Vendor Cash Discounts, and Daily Directional Settings. These dynamic dashboards served as a conduit for actionable insights, empowering stakeholders with real-time visibility into pivotal performance metrics such as Case Fill rates, Cash Discount percentages, On-Time In-Full performance, or Cash Discount Utilization.

Advanced KPIs were configured to provide a comprehensive overview of all facets of the client's operations, facilitating proactive intervention whenever necessary and ensuring sustained operational prowess.

Cross-Functional Collaboration for Innovative Solution Architecture

Brillio's team worked closely with the company's cross-functional teams to understand their requirements, conduct assessments, and craft bespoke solutions to specific business needs. Seamless integration and scalability were facilitated by partnering with Microsoft and other leading technology providers.

Azure Synapse Analytics was leveraged for streamlined data ingestion and processing of big data workloads, complemented by the robust storage capabilities of ADLS Gen2. Meanwhile, the reporting functionalities of MS PowerBI were harnessed to furnish the client with dynamic and insightful reports, empowering stakeholders with actionable insights at their fingertips.

From Conceptualization to Cost Savings, ROI, and Scalability

Brillio's agile approach and expertise in implementing cloud-based solutions ensured a swift deployment process. By leveraging pre-built components and best practices, the solution was deployed within a short timeframe, minimizing disruption to the client's operations and enabling rapid time-to-value.

Following the solution deployment, Brillio achieved several tangible and intangible benefits, for the client, such as improved operational efficiency, enhanced customer satisfaction, cost reduction, and scalability.

Real-time visibility into key metrics enabled proactive decision-making, reducing inventory costs and improving production planning, while timely insights and accurate forecasting enabled the company to meet customer demand effectively, enhancing customer satisfaction and loyalty.

Furthermore, by streamlining processes, optimizing inventory management, and enhancing vendor relationship management, significant cost savings and improved return on investment were achieved. The scalable solution architecture enabled the client to adapt to changing business needs and market dynamics, ensuring long-term sustainability and growth.

Throughout the development of innovative solutions, particular emphasis was placed on pipeline design, notably the medallion architecture, a framework tailored to efficiently sync business-specific tables.

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ABOUT BRILLIO

Brillio is one of the fastest growing digital technology service providers and the partner of choice for many Fortune 1000 companies seeking to turn disruptions into competitive advantages through innovative digital adoption. We help clients harness the transformative potential of the four superpowers of technology: cloud computing, Internet of Things (IoT), artificial intelligence (AI) and mobility. Born digital in 2014, we apply our expertise in customer experience solutions, data analytics and AI, digital infrastructure and security, and platform and product engineering to help clients quickly innovate for growth, create digital products, build service platforms, and drive smarter, data-driven performance. With 17 locations across the US, the UK, Romania, Canada, Mexico, and India, our growing global workforce of 7,000 Brillians blends the latest technology and design thinking with digital fluency to solve complex business problems and drive competitive differentiation for our clients. Brillio was certified by Great Place to Work® in 2021, 2022, 2023, and 2024.

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