InfoSmart Technologies Inc.
SOFTWARE SOLUTIONS PROVIDES

DATA SCIENCE

CUSTOMER

Sysco operates in over 90 countries around the world, with a network of more than 330 distribution facilities and 70 specialty companies. The company's product offerings include a broad range of food and non-food products, including fresh and frozen meats, seafood, dairy products, fresh produce, bakery items, and beverages, as well as equipment and supplies for foodservice operations.

CHALLENGE

Due to the extensive range of products that Sysco handles and the varying locations and seasons throughout the year, it was not always possible to procure a desired product in the desired quantity. Factors such as regional demand, supplier availability, and seasonality can affect the availability and quantity of products offered by Sysco.

Our client needed a robust system that could efficiently analyze and compare data across various entities such as manufacturers, distributors, and restaurants. The system had to allow for the assessment of crucial performance indicators and detect trends, gaps, and opportunities within the supply chain. Additionally, the system needed to offer real-time visibility into the supply chain network, empowering the client to enhance their operations, lower costs, and increase overall efficiency.

SOLUTION

Our data analytics team developed Item Matching to overcome the challenge of obtaining desired products in desired quantities from various locations and seasons. It uses advanced data analytics to identify optimal products from multiple manufacturers, considering factors such as availability, quality, and pricing. This solution helps Sysco acquire desired products at the best cost, even during fluctuating supply and demand, meeting customer needs, maximizing cost savings, and maintaining competitiveness in the foodservice industry.

The engine software was initially developed using Oracle but later migrated to AWS cloud from Microsoft.net. To modernize the application, our team redeveloped it into a Full Stack web application using SQL Server.

Benefits:

Improved supply chain transparency: Real-time tracking of inventory, shipments, and orders provides better visibility for government agencies.

Evidence-based policy: Enhanced data analysis identifies trends, gaps, and opportunities to develop evidence-based policies.

Cost-effective procurement: Informed decisions about inventory, pricing, and promotions lead to cost-effective procurement.

Increased operational efficiency: Optimization and cost reduction improve the efficiency of government supply chain operations.

Better public service: Timely and accurate delivery of goods improves public service delivery and enhances customer satisfaction.

DATA SCIENCE – FULL LIFE CYCLE

20 years of experience in Business Intelligence, Data Engineering, Data Science, Artificial Intelligence, Machine Learning, and Analytics by using cutting edge technologies such as Microsoft BI, Power BI, Tableau, TIBCO, SAS, Oracle BI, SAP and other Statistical tools and technologies to the healthcare, finance, retail sales & distribution, transportation, hospitality, manufacturing, utilities, academic industries and as well as government and corporation sectors.

www.infosmarttech.com
(+1) 833-782-1762
5400 Laurel Springs Pkwym
Suwanee (Atlanta), GA

OUR APPROACH

At InfoSmart Technologies, we understand that technology is just one aspect of the solution. That's why we've established a team of data and BI engineers, and have built a reputation for exceeding our clients' expectations through the provision of top-notch recommendations, solutions, and services in the field of data and advanced analytics.

Our goal is to help the government fully leverage their data, delivering analytics solutions at a rapid pace for prompt, actionable results that drive genuine change. Our seasoned consultants bring a proven strategy, extensive expertise, and the necessary resources to ensure the successful implementation of analytics-driven innovation. We always adhere to industry best practices and standards when developing and delivering solutions to end-users.

OUR PROCESS

DATA STRATEGY

INGESTION

- Streaming
  IoT | Social | Events
- Databases & Files
  Cloud | On-premes
- Applications
  ERP | CRM

PLATFORM

- Data Lake
- Data Warehouse
- Data Lakehouse

MANAGEMENT

- Catalog
- Quality
- Governance
- Privacy
- Protection
- Master Data

PIPELINE

- Integration
- Provisioning
- ML Notebooks

ANALYTICS

- Business Intelligence
- Data Science
- Self Service

Our strategy is to create a cutting-edge data management platform to centralize all government data and store it in the most suitable database. Establish a data catalog for easy access to the data, and develop the necessary tools to ensure data accuracy and trustworthiness. Design the solution with proper data governance and protection in mind. Integrate data to gain a complete understanding of the business, utilizing business intelligence, data science, and self-service analytics.

We can design, build, or enhance the analytic architecture, optimize the related cost or performance, and explore how machine learning/AI can support the goals.

IST's primary objective is to deliver the highest quality services in

- Business Inteligence
- Data Visualization
- Big Data & Analytics
- Artificial Intelligence & Machine Learning

www.infosmarttech.com
(+1) 833-782-1762
5400 Laurel Springs Pkwym
Suwanee (Atlanta), GA