

 CASE STUDY

Data + Analytics, Cloud + Infrastructure,
Engineering Services

DEVELOPING AN ENTERPRISE DATA REPOSITORY

Aditi partnered with a major grocery-store chain to help standardize and integrate their database environment and create a single source of data for use across the organization.

THE CHALLENGE

A major grocery-store chain was faced with a maze of data from hundreds to thousands of diverse sources, ranging from vendors and governmental organizations to the organization's expansive supply chain. The company needed to construct a single source of truth in a chaotic database environment.

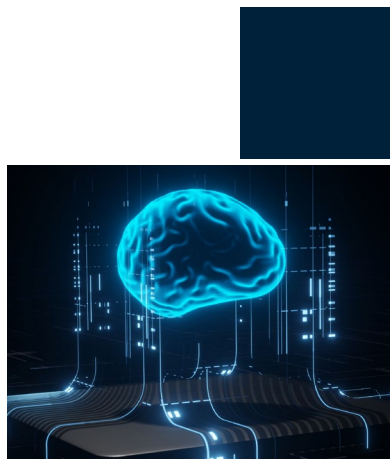
OUR SOLUTION

To address these issues, the company hired the Aditi team to establish a central repository to serve data to the various applications the company used to fuel critical business operations.

This included monitoring in-store stock levels, which would enable new services such as in-store pickups, direct-to-door deliveries, and wider distribution logistics.

TECHNOLOGY & METHODOLOGIES

The team assembled a powerful suite of technologies to build the repository, with Product 360, a cloud data management system by Informatica, chosen as the linchpin. Product 360, which performed data integration and standardization, was integrated with Kafka, for seamless event streaming, and Cassandra, which provided the scalability backbone. These technologies formed a dynamic, robust, and responsive data ecosystem. In parallel, a dedicated team piloted a modernization initiative to explore the capabilities of the neo4j graph database.



OUTCOME

Through strategic technology integration, Aditi created a centralized data hub to support and enhance critical corporate applications, from monitoring real-time stock levels to streamlining and optimizing the entire gamut of delivery and pickup services. The exploratory investigation of neo4j also highlighted avenues for future architectural enhancements.

By integrating cutting edge technology like Informatica Product 360, Kafka, Cassandra, and insights from neo4j, Aditi showcased its ability to revolutionize enterprise-scale data infrastructures. This resonates with Aditi's ethos of continual evolution and staying up to date with the latest data integration and analytics solutions.



ADITI EMPOWERS DATA AND ANALYTICS

At Aditi, we provide the talent, tools and project support you need to tame your unruly data environment. Whether it's our experienced consultants specializing in the design, development, and implementation of critical digital frameworks or our client leadership team managing project funding, goal tracking, and governance, our team provides full-cycle support.

Contact us today to discover how we can help you leverage the power of data and analytics.

CONTACT US

ADITI CONSULTING

Aditi is a leading consultancy that connects talent, teams, and technology solutions to help our clients accelerate their digital journey. We create unique experiences that rely on borderless talent, technology, and customized solutions under your directions or ours. The firm's client list includes some of the most prominent global brands including more than 75 of the top Fortune 500 companies.

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