ADITI CONSULTING

CASE STUDY

Cloud + Infrastructure

DATA ANALYSIS & SOFTWARE AS A SERVICE OPTIMIZATION

THE CHALLENGE

A world leader in transportation solutions needed to modernize one of their key Software as a Service (SaaS) solutions, a traffic control system for train logistics. This software provides a comprehensive overview of a train network to the company's railway clients, enabling a forward-looking view of potential conflicts. It also enables automated optimization of dispatch decisions on the network based on business needs and critical safety requirements.

This traffic control software absorbs a wide variety of data from many different types of IoT devices both on the ground and on individual train locomotives and cars. The data collected ranges from location and speed reports to vibration and temperature tracking. This continuous stream of data enables operators to compile statistics for both short-term and long-term decision making. Such a complex data-management system requires continuous improvement updates and software fixes to stay up to date with the specific needs of each of the company's clients.

OUR SOLUTION

To support this software, the company needed a partner with a proven track record of success with data analytics and their domain knowledge in the transportation industry. The company hand-picked Aditi, due to the comprehensive nearshore staffing model provided by our team in Latin America, which touts some of the best talent for application development and cloud-related projects.

Aditi Consulting provided back-end development support for the railway network optimization group. This group, which had a team lead directing four Java developers, worked directly with the company's software clients.

THE RESULT

The Aditi team leveraged user stories to create a wide variety of features and fixes for the railway company's clients to optimize the software instances for their unique business objectives. This included data analysis expertise to acquire, manage, and analyze the flood of data coming from the many sensors embedded in the railway environment. This team interacted directly with the company's clients to provide full-lifecycle solutions and expert technical-resource delivery.

The nearshore staffing model also allowed the company to expand operations into Latin America, providing significant advantages in proximity, time zone compatibility, cost savings, cultural compatibility, and a larger global talent pool.

LEVERAGE CRITICAL DATA WITH ADITI

Elevate your operations, delight your customers, and drive transformative growth by leveraging data and applying advanced analytics. Discover the untapped value in your data, reducing risks, and gaining control over costs.

Our skilled engineers specialize in crafting personalized data architectures and deploying AI/ML processing pipelines to empower your decision-making. Experience top-notch service as we revamp your data strategy, providing a business intelligence solution that not only enhances performance but also maximizes your profits. Your success is our priority, and we're here to transform the way you leverage data. Contact us today to get started.

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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