ADITI CONSULTING

REAL-TIME SUPPORT ON THE RAILS:
How Nearshore Engineering Enhanced a Cloud-Based Engine

SERVICE AREAS

- Application Modernization
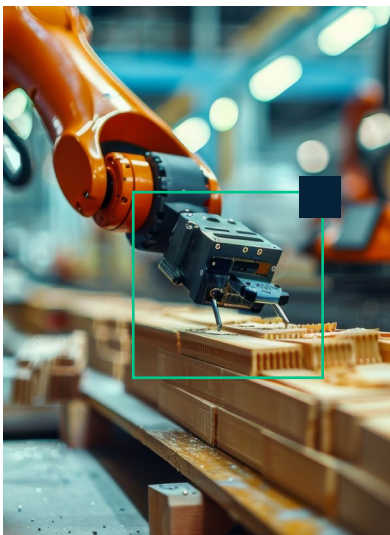- Cloud + Infrastructure
- Managed Services

INDUSTRY

- Manufacturing

In the complex world of freight rail, timing is everything. A global transportation technology provider had built a powerful cloud-based platform designed to help major rail operators make smarter, faster routing decisions. By harnessing IoT data from locomotives and infrastructure, the platform could optimize train movements in real time—improving efficiency across vast rail networks.

As adoption of the platform grew, so did the demands. With new clients requesting custom enhancements and data volumes scaling rapidly, the company reached a pivotal point. Its internal engineering resources were stretched thin, and the need for continuous innovation was clashing with the realities of capacity and cost.

To keep the momentum going, the company turned to Aditi Consulting—seeking a partner that could integrate quickly, collaborate in real time, and deliver backend support at scale.

The Challenge

At the heart of the challenge was the need to maintain platform stability while driving ongoing development. The platform's success had opened doors with major rail operators, each bringing unique requirements and expectations.

- Internally, development teams were fully committed to maintaining the core platform, leaving little room for feature enhancements or performance improvements.
- Externally, client expectations were rising. Rail operators wanted tailored modules and functionality that aligned with their individual operations and workflows.
- Meanwhile, as the platform expanded, so did its technical complexity—calling for constant attention to backend performance, cloud scalability, and data processing reliability.

The company needed more than extra hands. It needed a team that could operate with speed and precision, all while integrating seamlessly into its engineering rhythm.

Global demands are shifting—and companies are rethinking how they scale, innovate, and deliver at speed. Nearshoring to LATAM offers a compelling path forward, balancing cost, talent, and speed. The 2025 Nearshore Report explores how leading organizations are leveraging regional partnerships to scale digital engineering services with confidence.

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The Solution

To keep pace with the platform's growth and rising complexity, the company needed more than just additional capacity—it needed a strategic delivery model that could seamlessly extend its engineering capabilities. That's where Aditi stepped in.

Aditi deployed a dedicated nearshore team based in Latin America, selected not only for their technical proficiency but for their ability to integrate directly into the client's agile development cycles. With overlapping time zones and strong backend expertise, the team quickly became a natural extension of the client's engineering organization—participating in daily stand-ups, sprint planning sessions, and iterative release reviews.

This wasn't an offload—it was a collaboration. From day one, the nearshore team aligned tightly to the client's delivery goals, focusing on high-priority platform components that directly impacted performance, usability, and customer value. Working hand-in-hand with the onshore team, they eliminated communication silos, shortened feedback loops, and drove faster iteration cycles without compromising quality.

What made this partnership truly effective was the strategic focus: instead of spreading resources thin across low-impact tasks, the nearshore team concentrated on building and optimizing the core elements that powered the platform's success—positioning the client to deliver smarter, more responsive service to its rail partners.

KEY AREAS OF FOCUS INCLUDED:

Enhancing the cloud-based ingestion engine responsible for processing vast volumes of IoT data from locomotives and infrastructure systems

Optimizing the platform's routing logic to enable faster, more efficient train movements

Developing and deploying custom modules tailored to the specific needs of top rail clients

The Outcome

With Aditi's nearshore team integrated into the development cycle, the company fundamentally transformed how it scaled, delivered, and innovated. What had previously been bottlenecked by limited internal capacity became a streamlined, collaborative effort—where continuous enhancements were no longer aspirational but operationalized. New features and platform improvements were deployed consistently, allowing the organization to stay ahead of both internal roadmaps and evolving client expectations.

This shift wasn't just about moving faster—it was about building smarter. Aditi's nearshore delivery model introduced the technical depth, agile structure, and real-time responsiveness needed to maintain momentum without inflating budgets or disrupting daily operations. Development velocity increased, but so did control, quality, and collaboration across teams.

Equally important was the ability to address client-specific needs. With tailored modules built for major rail operators, the platform became more customizable, more reliable, and more aligned to real-world usage—deepening adoption and reinforcing the company's role as a trusted innovation partner in the rail industry.

By combining cost-effective delivery with continuous improvement, the company didn't just respond to rising demand—it established a long-term foundation for growth and resilience.
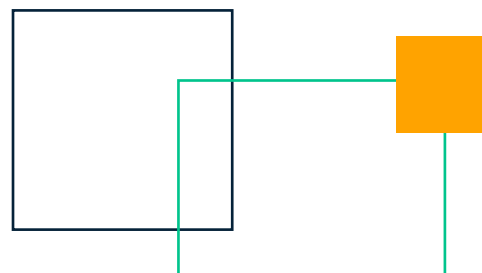
KEY AREAS OF FOCUS INCLUDED:

Real-Time Feature Delivery: Continuous enhancements were rolled out on a steady cadence, keeping the platform responsive to both client demands and internal priorities.

Cost-Effective Scalability: By shifting development to a nearshore model, the company was able to reduce overhead while maintaining high development standards.

Client-Specific Enhancements: Customized functionality delivered for key rail operators strengthened platform adoption, improved reliability, and reinforced

Driving Innovation Through Agile Nearshore Support

With Aditi's dedicated team in place, the client gained the flexibility and development power needed to scale smarter, respond faster, and deliver value where it mattered most.

What began as a tactical solution quickly evolved into a strategic partnership—one that continues to fuel innovation, improve customer outcomes, and keep the platform competitive in a fast-moving market.

This success story is just one example of how nearshore delivery models are reshaping the way modern enterprises approach engineering. In today's environment—where speed, specialization, and cost-efficiency are non-negotiable—nearshore collaboration offers a powerful blueprint for scalable innovation.

Whether you're modernizing infrastructure, expanding your platform, or customizing solutions for global users, the right nearshore strategy can help you build, evolve, and lead with confidence.

Ready to rethink what your engineering team can do?
Partner with Aditi to add nearshore agility and drive sustained impact across organization.

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Aditi is a leading digital engineering services company. We partner with established and emerging enterprises by leveraging borderless talent across three continents to achieve transformative outcomes that will reshape their trajectory. We lead and support our clients' efforts to design, build, and operate the products, systems, and processes required to deliver impact by leveraging deep insights, practical knowledge, and human spirit.

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