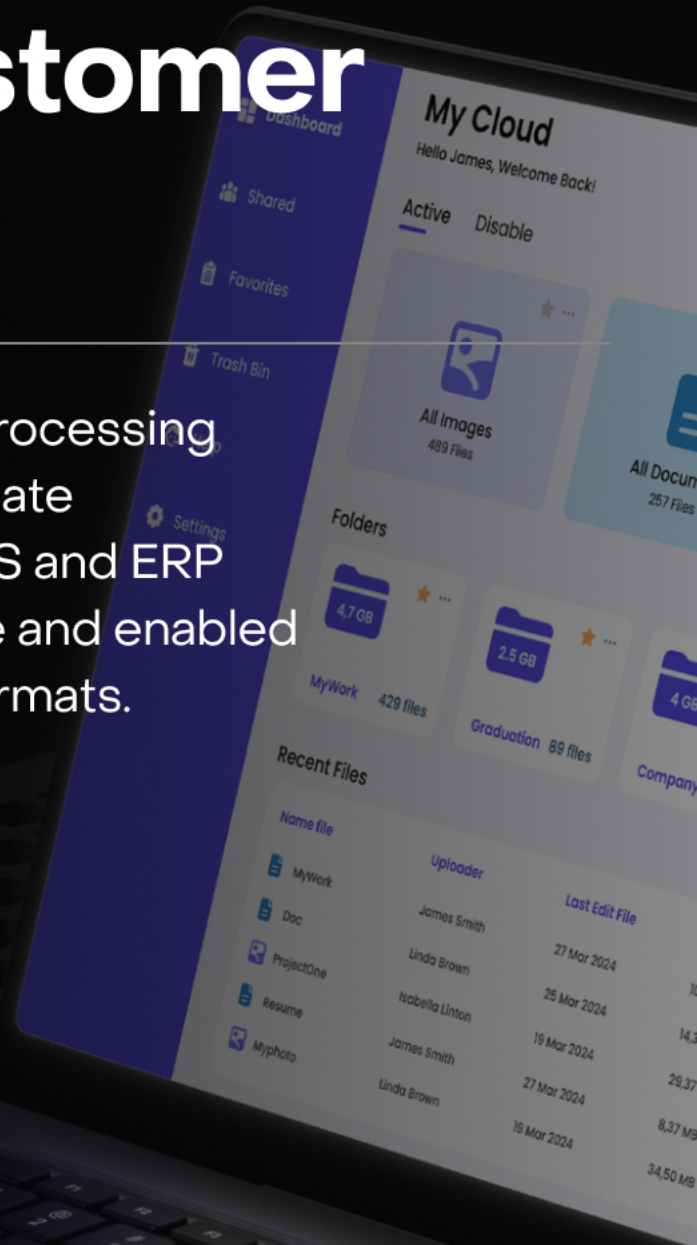


# Streamlining EDI: Custom Integration for Seamless Customer Onboarding

Innovecs team built a custom EDI processing solution for a 3PL provider to automate document exchange between WMS and ERP systems. Reduced onboarding time and enabled fast adaptation to client-specific formats.



## Industry

Supply Chain

## Location

USA

## Project Duration

2 months project

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## Cooperation Model

Team Extention

## Team Composition

Backend Engineers, Data Engineer, Solution Architect

## Expertise Delivered

Backend Development, Cloud & Infrastructure, Data, Integration, Project Management

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## Technologies & Tools Used

AZURE SERVICE BUS

AZURE SQL SERVER

JAVA

PYTHON

# About Customer

The client is a fast-growing 3PL provider specializing in efficient supply chain solutions for retail, manufacturing, and e-commerce businesses. With a strong focus on operational accuracy and data-driven decision-making, the company relies heavily on electronic data interchange (EDI) to ensure smooth, real-time communication with partners, vendors, and clients. As their network expanded, so did the complexity and volume of their data workflows, calling for a robust and scalable EDI management solution.

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# Project Summary

The Innovecs team partnered with the client to enhance their EDI capabilities and streamline customer onboarding. The project focused on developing a custom document processing solution, enabling integration between WMS and ERP systems, and supporting flexible, client-specific data formats to reduce operational delays, errors, and extra expenses.

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# Challenge

3PLs and their customers often have specific requirements regarding the document exchange process between their warehouse management system (WMS) and their ERP system, requiring variable document types and formats processing. The unique and complex nature of varying documentation often leads to errors, delays, and additional expenses.

Our client sought to enhance the efficiency of their new customer onboarding. They faced limitations with the out-of-the-box WMS, which could not accommodate the necessary customizations.

## Solution

- Created a solution that can execute code for each customer's specific document format.
- Designed logic to generate and send EDI in customer-expected formats based on warehouse events.
- Enabled monitoring of EDI sources to trigger the service from customer systems.

## Technologies Used

AZURE SERVICE BUS

AZURE SQL SERVER

JAVA

PYTHON

## Results



**~10x decrease**

in new customer onboarding time



**Faster implementation**

of new standardized documentation formats



**The product evolves**

as new clients with a new EDI formats are being onboarded.

## Business Value

### Accelerated Onboarding:

Enables rapid integration of new clients by automating the processing of custom EDI formats, reducing setup complexity.

### System Scalability:

Modular architecture accommodates new clients, formats, and use cases without overhauling existing systems.

## » **Operational Efficiency:**

Handles diverse document types with minimal manual input, ensuring efficient data exchange between WMS and ERP systems.

## » **Client-Specific Flexibility:**

Executes customer-specific logic for EDI generation and delivery, adapting flexibly to each client's unique format and workflow.

## » **Improved Reliability:**

Continuously monitors EDI sources and responds to warehouse events in real time, ensuring stable, event-driven communication.

## About Innovecs Supply Chain

Innovecs Supply Chain, a sub-brand of Innovecs, helps businesses to enhance their supply chain operations through integration, AI-driven innovations, mobile/web development, data management, cloud solutions, EDI, and other services. With a presence in the US, UK, EU, Israel, Australia, and Ukraine, it is recognized in the IAOP's Global Outsourcing 100, driving value and efficiency in a competitive market.



## Quick facts

13

Years of cross-industry experience

25

Delivery locations worldwide

650+

Highly skilled developers, engineers, architects

150+

Happy clients

92%

NPS score

127%

Business growth over the past three years

## Representative Offices

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