

TAILWINDS

THE UI FOR AI

BUILT
ON



Amazon Bedrock

POWERED
BY



IBM watsonx Assistant

MEDnet

Mednet Solutions provides an eClinical platform to design and implement clinical trials through their flagship platform, iMednet. Mednet was looking for an AI solution to generate clinical forms.

In partnership with Innovative Solutions, Mednet was privy to a demonstration of an AI-powered document processing solution using Tailwinds. The demonstration showed promise of improving their clinical trial documentation workflow.

BUSINESS OBJECTIVES

1

Automate the extraction and structuring of information from PDF documents into JSON payloads

2

Implement intelligent validation processes for medical form generation

3

Reduce manual data entry while maintaining accuracy

4

Establish a scalable solution for future growth

THE CHALLENGE

Mednet sought to implement an AI solution to generate forms removing the need for their users to do so manually. Additionally, Mednet required a solution that could scale with their growing business while maintaining consistent performance and accuracy across all types of clinical trial documentation.



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partner
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THE SOLUTION

Innovative Solutions implemented a comprehensive AI-powered document processing solution leveraging Tailwinds, Amazon Bedrock, and IBM watsonx Assistant. The solution includes:

- ✔ Tailwinds AI workflow automation platform for orchestrating the document processing pipeline
- ✔ Integration with Amazon Bedrock and Anthropic's Claude large language model for advanced document understanding and data extraction
- ✔ IBM watsonx Assistant implementation for human-in-the-loop review and validation
- ✔ Custom validation rules engine ensuring compliance with medical standards
- ✔ Seamless integration with Mednet's existing Salesforce infrastructure

The solution provides an intelligent document processing workflow that automatically extracts relevant information from PDFs, structures it into standardized JSON payloads, and facilitates human review when necessary. The system uses advanced AI models to understand complex medical terminology and ensure accurate data capture.

KEY RESULTS AND TESTIMONIAL

5%

5% potential reduction in document processing time

10%

10% potential increase in operational efficiency

20%

20% decrease in manual review requirements

"Seeing the concept created through Tailwinds allowed us to imagine its possibilities if employed."

- The Mednet team



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TRANSFORMING THE CUSTOMER EXPERIENCE

The implementation of Tailwinds would have the potential to revolutionize Mednet's document processing workflow, enabling them to handle increasing volumes of clinical trial documentation with greater efficiency and accuracy.

WHY WORK WITH A GENAI PARTNER

Innovative Solutions is a Premier Tier AWS Partner, specializing in AI and machine learning solutions. Our Tailwinds platform, coupled with expertise in Amazon Bedrock and IBM watsonx Assistant, enables businesses to leverage cutting-edge technology to solve complex challenges and drive growth rapidly and efficiently.

For more information on how Innovative Solutions and our Tailwinds platform can help transform your business with AI-powered solutions, visit innovativesol.com/tailwinds.