

TranSend solves this by using AI to listen, transcribe, and validate trade orders in real time. When an FA receives a verbal order, TranSend converts speech into text using Whisper AI, extracts key details like buy or sell action, quantity, company name, and ticker symbol using NLP, and compares them against what the FA manually entered. If there's a mismatch, an alert is triggered so that errors can be corrected before submission.

This ensures that trades are executed exactly as the client intended, reducing errors and improving efficiency."

Now, let's talk about the impact of TranSend and why it matters for Financial Advisors and the business as a whole.

Eliminates misinterpretation of verbal orders by converting them into structured text and validating against manual input

Reduces trade errors, ensuring compliance and minimizing regulatory risks.

Reduces manual double-checking effort by providing instant feedback if discrepancies are found. FAs can focus more on client interactions rather than correcting mistakes post-trade execution.

Prevents financial losses from incorrect trade executions.

Ensures that the trade executed as per clients request and it will create **a good client bank relationships**.

To enhance TranSend in future and make it even more powerful,

we will configure **Large Language Models (LLMs)** for **summarizing trade orders** and handling **multiple orders in a single transaction**. This will enhance extraction accuracy and ensure better understanding of complex trade instructions.

For improved speech-to-text processing, we will upgrade from the **Whisper AI Tiny model** to the **Whisper AI Large model**. This will provide **higher transcription accuracy**, especially in noisy environments, and ensure better recognition of financial terms and client-specific accents.

In the future, Expanding TranSend's **multilingual transcription capabilities** will enable accurate transcription and validation of trade orders with different languages , likes spanish , french

We will integrate TranSend with FA trading platforms by connecting it with existing order management systems for seamless validation.

"These enhancements will significantly improve the accuracy, efficiency, and reliability of TranSend, making it an indispensable tool for Financial Advisors."

How we build transend

We use **Whisper AI** for speech-to-text processing, enabling accurate transcription of verbal trade orders, even in noisy environments. This ensures that trade instructions are captured with high precision.

For extracting key details such as action (buy/sell), quantity, company name, and symbol, we leverage **Natural Language Processing (NLP)** techniques. This helps in structuring the extracted data for validation and comparison.

The system is developed using **Python and Flask**, providing a lightweight and efficient backend for processing verbal trade orders, and handling real-time validations.

"By combining these technologies, TranSend ensures accurate trade order processing, reducing errors and enhancing efficiency for Financial Advisors."