

CASE STUDY

Digital Transformation of a Law Firm Looking to Streamline the Litigation Process



OVERVIEW

The client is a prominent law firm offering electronic filing and court case management services to individuals and law firms.

CHALLENGES

The client sought an application to address key challenges in the litigation process for attorneys and other users. The goal was to increase efficiency of costly and time-intensive manual court reporting and document retrieval processes.

The client wanted to automate speech-to-text conversion and document retrieval using advanced technologies such as speech recognition.

INDUSTRY

- Legal

SERVICES

- Cloud Development
- Product Engineering
- Digital Transformation
- Custom Software Development

TECHNOLOGY

- Java
- RevAPI
- CSS
- AWS
- Angular JS
- MySQL



SOLUTION

Contata developed a comprehensive solution to streamline the litigation process through advanced technological integration. This solution encompassed deposition recording, automated text-to-speech conversion, and real-time document search via an e-discovery database.

Leveraging speech-to-text conversion APIs, we eliminated the need for manual court reporters. The flexible architecture accommodates multiple speech-to-text tools and e-discovery databases to be used in the future.

User-specific search capabilities within the e-discovery database enabled different users to collaborate on a single deposition using various workspaces or databases.

Additionally, the solution facilitated document sharing and chat features, enabling attorneys and remote participants to exchange relevant information seamlessly. Key features of the product include:

- **Real-time Speech-to-text Conversion:** Utilizing Rev API-based technology, this feature converts speech into text while integrating grammar, syntax, structure, and composition for accurate processing of human speech.
- **Custom Vocabulary:** Custom vocabulary allows for domain-specific words, phrases, and proper nouns expedites word recognition, enhancing accuracy and efficiency.
- **E-discovery Search:** This feature involved identifying, collecting, and producing electronically stored information (ESI) through various search methods, such as operator search, semantic search, keyword search, and fuzzy logic search.



BENEFITS

- Achieved 99% accuracy through automation, reducing risk related to human errors.
- Simplified document retrieval and data insight processes, reducing operation costs and improving overall efficiency.
- E-discovery improved project management and data security.
- Enhanced understanding of transcripts and speech with fewer errors.

About Contata

Contata Solutions is a trusted leader in technology and digital innovation. Through our work in data engineering, data analytics, machine learning, marketing automation and app development, we deliver solutions that address complex problems in ways that are simple, insightful and impactful.

Our promise and value proposition to our customers is simple: we leverage our deep technical expertise and global presence to bring software products and data-driven decision capabilities to life.

Founded in 2000, Contata is a privately-held company headquartered in Minneapolis that serves clients globally from offices in the United States and India.