NAVA Solutions

CASE STUDY:

Custom File Search Platform for Enhanced Operational Efficiency for JScreen.org

The Challenge

JScreen Org, Inc. faced a major operational hurdle after receiving approximately **400,000 files** from a partner organization. These files were essential for servicing current clients, but inconsistent naming conventions and the sheer volume made it **nearly impossible to locate specific case files** efficiently. Manual searches proved ineffective, creating bottlenecks in workflows and raising concerns about data accessibility and accuracy.

The Nava Solution

To address this challenge, we designed and deployed a **custom-built file indexing and search solution** leveraging a **hybrid stack of Python and Vue.js**. This solution automated the parsing of file names and extracted key metadata — such as **client names, case IDs, document categories, and case dates** — transforming unstructured data into a structured and searchable format. Further enhancing usability, we **integrated patient notes and demographic information** from a supplemental data source, providing users with a centralized and intuitive search interface. As JScreen is an existing client and a certified non-profit, we also included fully managed, **HIPAA-compliant hosting** of the application under their current monthly service agreement — at no additional cost.

The Outcome

With the new system in place, JScreen significantly improved operational efficiency, reducing search time for case files from hours to **mere seconds**. Staff were empowered with a user-friendly interface that enabled **quick, accurate retrieval of critical documents**, improving response times and enhancing service delivery. The solution also improved compliance and audit-readiness, ensuring that patient data could be accessed securely and reliably. Overall, this implementation **transformed a chaotic dataset into a streamlined asset**, supporting JScreen's mission of delivering timely and accurate services to its clients.