

Fulcrum Logic helps Non profit educational organization gain rapid ROI by revamping their legacy Clinical Data Management System

Industry

Clinical

Technology Used

- Java
- Spring MVC
- Tomcat
- Hibernate
- MySQL

Brief History

The client is a nonprofit educational organization that serves children by introducing parents to the field of early child development. Parents learn how to enhance significantly the development of their children physically, intellectually and socially in a joyous and sensible way.

The client selected Fulcrum Logic to be their technology partner in developing their new Clinical and Family Data Information System to replace the desktop based OMNIS system. The OMNIS system presented challenges to both their user community as well as the company as a whole.



Business Needs

The client needed a solution that would overcome the multiple short comings of their legacy system and increase the efficiency, the reach and the accessibility of their system for users worldwide. Their legacy system was extremely limited and presented challenges. It was not web based thereby limiting access for users in other countries as well as for users on the move. It did not allow concurrent access to data and was unable to provide reporting and analytical functionalities. It lacked a grasp on complex information relating to family history of the users which was an essential part of the services offered

by the client. The need of the hour was a scalable solution that would resolve the issues related to the legacy system and would grow with time to accommodate additional features and increasing database size.

Solution

Fulcrum Logic proposed a solution specifically targeting all the weaknesses of the current system and at the same time using standards based and open-source technologies thus minimizing licensing costs while making the system more modular for future growth. Some of the features provided by the solution include:

- Customized web-based and secure solution allowing for global reach of the application
- Role based access to all users with central administration features and thus enabling users to do what they were only able to do in the client's Philadelphia offices
- Customized reporting interface
- Concurrent data access
- Spell checks
- Standards based technologies using Java, Spring MVC, Tomcat, Hibernate and MySQL.

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Benefits

The solution proposed and implemented by Fulcrum Logic for the client provides unprecedented return on investment for them. Some of the items with direct positive consequences are as follows:

- Web enabling and exposing the application features on the web has extended the reach of this application to different parts of the globe
- Time saving of several traveling users (clinicians) on data entry
- Easier and time effective reporting
- Parents can now submit initial history of their child online thus saving a lot of time for the clinicians.
- Role based access to all users with central administration that enlarged the scope of actions for all users worldwide
- Concurrent data access allows for multiple people working on same records which saved considerable time and effort
- Spell checks on the UI screens during data entry allows for saving hours initially spent cleaning the data.

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