

Client Overview

An innovative product building company

Statement

- Client is building an innovative product for patient monitoring using some sensor information. This patient monitoring application needs to display human body model in 2D & 3D model on Tablet. To monitor these tablets remotely there is a need of Cloud Portal – a web solution.
- There are unique features and functionalities those need to be addressed and implemented for Cloud Portal. Few of them are listed below:
 - a. Organization, Tablet, Patient, Hospital, Care Giver etc. Listing
 - b. Tablet Policy Mapping, Add, Edit Policy & Apply Policy
 - c. Displaying Sensor information in a understandable format
- The web portal is hosted in a cloud environment and developed using spring, Dojo, JEE, ORM, XML etc.

Solution

- Optra first understood detailed requirements around Android 2D & 3D display, other features & functionalities along with Web Portal related applications.
- As it's an Agile project – quickly implemented few POC using different 3D UI rendering libraries for Android device During these POC iterations pros & cons have been evaluated for different libraries and then initiated further implementation using one library.
- For web portal Optra had come up with user interface to display and work with different data sets which are captured through sensor data.
- Optra team had designed & implemented Cloud web portal features and functionalities and deployed them in a cloud environment for client.

Technology Environment

- Project management tool – MS Office, JIRA
- Front end –JSP, Dojo, CSS, HTML, Android etc.
- IDE – SpringSource Tool Suit
- Configuration Management too – Subversion, Tortoise SVN
- Operating System – Windows & Linux, Android
- Testing tools – JUnit, Manual Testing

Benefits

The successful completion provided various benefits:

- A competent feature for the product
- Intelligent 3D display of human body model for monitoring gives a real time feel
- Various other product features match to real world scenarios
- Web application to monitor multiple tablets remotely for multiple organizations

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About Optra Health

Optra Health is an ISO-certified global organization with deep domain expertise in medical devices, lab automation, life science informatics and healthcare IT solutions. The company provides a fully-scalable, cost-effective OptiShore™ delivery model. This enables customers to choose the optimal balance between on-site, on-shore, and off-shore development that will best address their budget and collaboration requirements. With Optra Health, customers are able to shrink their time-to-market by leveraging practical, building-block based solutions. Committed to clear communication and total transparency, the company consistently meets or exceeds its clients' expectations. Offering a full complement of expert engineering and consulting services, Optra Health is aligned to real business needs applied over the entire product development lifecycle. The robust, scalable and efficient IT infrastructure of the company, together with its outstanding project management team, consistently ensures superior results. Optra Health's global delivery model helps its customers cut costs by about 50% without compromising on quality and realize a 200% improved production cycle.

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Contact Optra Health Today

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