

MedVoxel

MedVoxel develops and markets leading applications for medical imaging designed for hospitals and cardiac centers in North America.

ABOUT MEDVOXEL

Located in Vancouver, Canada, MedVoxel develops leading applications for medical imaging.

MedVoxel markets powerful analytical tools for cardiac MRI for hospitals and cardiac centers in North America.

THE PROJECT

Blood Flow Analysis (BFA) is developed for efficient quantitative blood flow measurement.

With BFA, users (doctors) can easily access the Web based application without geographic constraint, and as such, greatly improve both efficiency and quality of patient care.

With advanced measuring technology, BFA is one of the first automatic medical imaging Web applications with minimum user intervention.

THE CHALLENGE

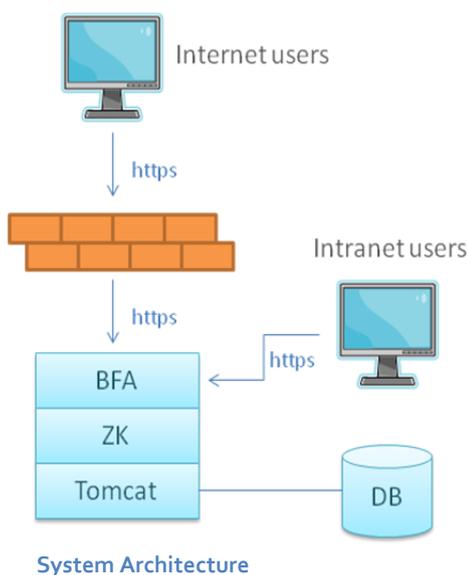
The challenges around health care practice include:

First, traditional Web based applications do not allow complex user interactions that are only achievable on stand-alone workstations.

Second, traditional Web based applications do not meet the performance requirements for intensive imaging apps.

Third, traditional Web based applications do not provide sufficient security for patient confidentiality and code protection.

„ Due to the server-centric approach, programmers don't even think of the “Web”. “



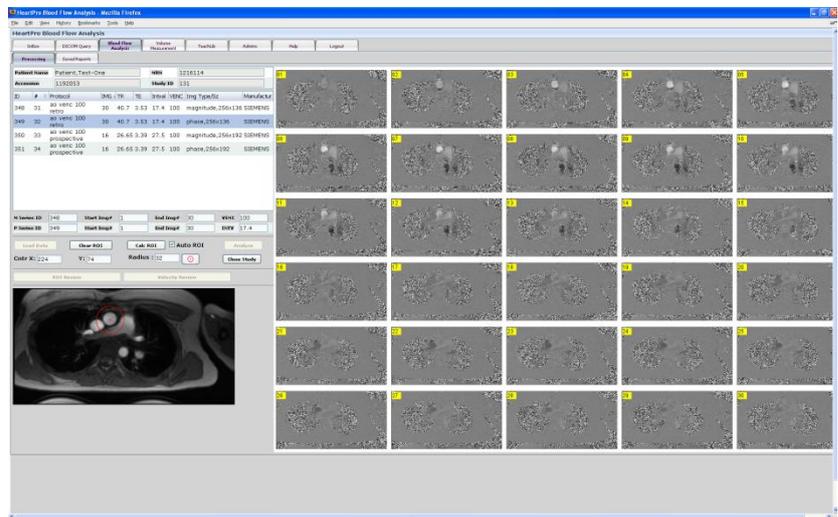
„ ZK is easy to learn and to use. “

WHY ZK

To overcome these challenges, Charles, the technical leader of this project started to look for something new.

After evaluating several famous open source Ajax frameworks, eventually MedVoxel chose ZK because:

- ZK is easy to learn and to use. “Actually the learning curve is quite smooth. Due to the server centric approach, programmers don't even think of the “Web”.”
- ZK is an open source project with superior community support.



In order to achieve the best performance and MVC pattern, MedVoxel takes advantage of the nature of ZK: architecturally clean separation of “View” component (View of MVC); Java libraries are used to manage “Model” and “Controller” components.

With this approach, the division of labor for implementing view and logic is done easily, and the agile development methodology MedVoxel applied to its application development projects fits in nicely with ZK framework and consequently provides the following advantages:

- Rich interaction with end-users
- Shorter code release cycle
- Less costly in code maintenance

THE RESULT

With the aid of ZK Ajax technology, MedVoxel is equipped to develop products with modern and user friendly Web interface under extremely reduced ready-to-market timelines.

The end users are much impressed by the product. Physicians do not have to wait for the available imaging workstation. They are now able to do their work conveniently and efficiently in their offices using ordinary Windows, Mac desktops or Linux desktops.

About ZK

Potix Corporation develops and supports ZK, the #1 Ajax solution on SourceForge.net, the world's largest open source host. ZK has more than 1,500,000 downloads since its first release in late 2005. ZK is deployed by a large number of Fortune Global 500 companies, including Deutsche Bank, Barclays, Sony, Sun Microsystems and Toyota, providing them with the ability to rapidly create rich Ajax enterprise level applications.

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