

Business Process Automation using Alfresco JBPM

CASE STUDY

Algoworks helped an established healthcare services company in developing a web based workflow to automate the medical checkup process for the new hires.

CUSTOMER

Client is a solutions-based company able to provide healthcare services to remote areas or regions of high demand, taking the best of global innovation and delivering it in a world class approach.

BUSINESS SITUATION

Client wanted to develop a highly customizable workflow for automating the process of pre employment medical checkup for the new hires. The system needed to interact with a number of actors (such as doctor, diagnostic provider, new hire), record their feedback and provide a comprehensive notification mechanism. The objective of creating the workflow was to provide an effective and efficient automation of an existing process that has following capabilities:-

- Document storage and sharing
- Highly customizable and scalable workflow with multiple stages
- Offers record management features
- Provides record and document association
- Open source and linux environment based solution

SOLUTION

Algoworks proposed a robust and scalable with standard 3 tier architecture using Alfresco, JBPM and MySql.

The application was developed around Alfresco Enterprise document management system and JBPM integration.

Alfresco was used for collaboration of files between multiple actors and also acted as applications database.

The workflow was designed using JBPM and the UI was developed using Alfresco WebScripts and Ext JS library. Core Alfresco services were exposed using REST architecture to facilitate a highly scalable solution.

BENEFITS

- ✓ Automation of the business process.
- ✓ Records management system.
- ✓ Quick development.
- ✓ Robust and scalable application.

Business Process Automation

Platform - Java/J2EE

Domain: Enterprise content management, Healthcare

Engagement Key points

- Engagement started in 2008
- Ramp up time from SOW sign off - 2 days
- Peak Team Size - 3
- Team composition - Project Manager, Architect, Software Developer, Test Engineer
- SDLC: Agile

Tools and Technology used

- Java/J2EE
- Alfresco
- JBPM
- Ext JS
- MySql
- Linux
- SVN - configuration management

All Trademarks Acknowledged