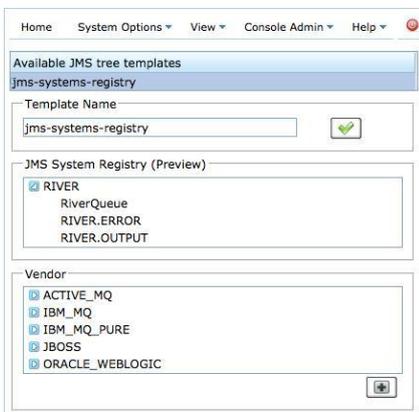# River Software Technologies

River Software Technologies SAS is a technology company that strives on creating software for any type of industry with special focus on Telecommunications and Government in LATAM, Spain and Europe.

„ When I came across ZK I thought I've found the 'Holy Grail', because it has all the benefits of powerful end user features, plus the power of solid Java server side logic.“

About River Software Technologies SAS

River Software Technologies creates the technology that triggers success in today's businesses supported by experts who used to run R&D departments in software development in Germany for years and have provided technology to companies from all over the globe. The company focuses on four major product lines – SOA, VoIP, Geo-Localisation and Web Portals Development with four main products – riverSOA, riverPBX, riverGeoFinder and riverPortals respectively.

The Project

riverPortals is a solution fully based on ZK in order to achieve better web portal deployments. It is a web application that allows companies and individuals to deploy any web based portal solution either at the enterprise or small to medium entrepreneur scale with a short time-to-market impact on any development team.
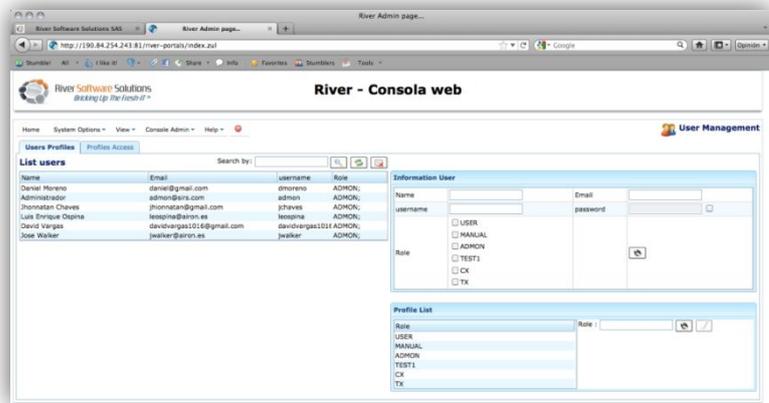
The Architecture

The architecture of this project is based on a clear separation between UI and logic where UI-POJO plug-ins can be created and deployed at runtime and get out of the box the most common tasks when creating applications. Out of box, riverPortals provides a web portal solution which allows the integration of MVC ZK components with interfaces provided by riverPortals SDK, Standard AJAX websmashups, JSP, JSF or any other web based UI complying with interfaces defined in SDK.

The Challenge

The most challenging part of the project was to come up with a GUI Framework that is able to be reused in multiple projects without having to adjust or redo the logic accordingly to specific project needs.

"Whatever it takes 50 lines in GWT and several files, it only takes a few lines of code and two files to do the same with ZK.
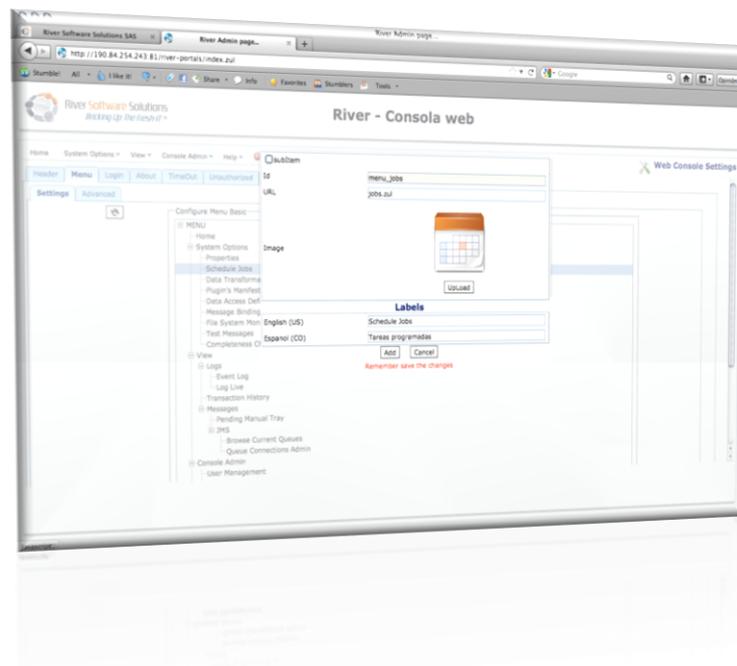
Why ZK

GWT and ZK were taken into account during the evaluation process where developers made the same functionality for a specific feature in both technologies to assess the usability and productivity of each framework. In the end ZK was chosen and adopted as it is more intuitive, easy and requires less effort to program for the same desired outcome compared to that of GWT. With ZK's powerful technology, the challenge of creating a customizable, programmable portal framework is able to be accomplished.

Moreover, ZK's unique ZUL language and class controller reduces development time and the possibility of generating errors to a large extent. For example, whatever it takes 50 lines to GWT and several files; it only takes a few lines of code and two files to establish the same result when working with ZK. ZK brings the benefits of powerful and appealing end user features and the power of solid Java server side logic to one sophisticated framework.

"ZK is like the DNA for riverPortals, riverPortals is like an extension of ZK, an upper layer with extra features only for portals, providing customers with a fully web portal solution without having to think about the details of the most complex ZK functions or starting from scratch".

The Result

The riverPortals system is now deployed by an important telecommunications company in Colombia to manage and control a complex system for inventories, provisioning of lines and ADSL.

riverPortals version 1.0 is now also under construction and is expected to expand riverPortals as the solution for governing other River Software products and for any type of software that needs to run on a secured web based environment.

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.

Contact us

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