Summer 2019 Konica Minolta Business Solutions Internship Review – Chris Paldino

<u>**Projects Worked On**</u>

Enhancements to Supplier Solutions Catalog

Chris worked with Deloss Schertz, Director of Enterprise Strategic Application Services to redesign the interface for the Supplier Solutions Catalog. This application is used by representatives from our Dealer channel to procure items for their inventory. It is hosted on a third party platform with a limited authoring interface. The design of the current site was last updated approximately 8 years ago.

Given free rein to come up with a more modern design, Chris spent time overhauling the header and footer areas along with the basic representation of tabular data. The end result was much more intuitive and visually pleasing experience for the user.

Throughout this project Chris ably demonstrated his knowledge of front end skills including HTML, CSS and JavaScript.

Enhancements to Email/Network Request Form and Temp/Contractor Request Form

Chris worked with Deb Manion, Project Manager for the Web Services department to perform several modifications to the Email/Network Request and Temp/Contractor Request forms on the Konica Minolta intranet, MyKonicaMinolta.com. These forms are used by Konica Minolta employees to request access to various IT controlled systems like email and network access.

The changes were required as part of a larger IT initiative involving the implementation of Central Finance for SAP S/4. As a result of the new system going live, Chris needed to add additional logic and form fields to the forms, write that data back to a database and append the to various approval emails that go to our helpdesk.

During this project, Chris demonstrated his ability in JSP development and knowledge of working with JDBC logic for wiring all of the form data back to the database. He also had to utilize his front end skills including HTML, CSS and JavaScript for form validation.

Enhancements to MKM Application Override Form

Chris worked with Deb Manion, Project Manager for the Web Services department to perform enhancements to the MKM Application Override form available on the Konica Minolta intranet, MyKonicaMinolta.com. This form us used by Konica Minolta employees to request specific access to MyKonicaMinolta that they are not granted by default based on their position within the company.

This form is managed by the group that Chris interned with, Web Services, and created impactful changes that will assist us moving forward in fulfilling requests for override access to our Warehouse Scheduler application. To do this, Chris needed to add additional logic to the form and create new JDBC queries in order to pull warehouse information into a dropdown for the user to select.

During this project, Chris demonstrated his ability in JSP development and knowledge of working with JDBC logic for wiring all of the form data back to the database. He also had to utilize his front end skills including HTML, CSS and JavaScript for form validation. Lastly, Chris demonstrated his ability to construct proper SQL queries to extract and write data to a SQL database.

Answer This Poll Admin

Chris worked with Tom Tracy, Web Services Manager to create a new application which would give Konica Minolta Marketing the ability to add, update and remove question and answer sets for the Answer This poll question which is available to all users on the home page of the Konica Minolta intranet, MyKonicaMinolta.com.

The maintenance for this was currently being done by the Web Services department directly in a SQL database. This meant that every time a question was added or updated someone from IT needed to handle the set up. The application that Chris wrote will allow Marketing to be self-sufficient in administering the poll question themselves without IT involvement.

With limited requirements given to Chris he was able to plan out a detailed application that fulfilled all of the basic requirements. Chris demonstrated his ability in JSP development and knowledge of working with JDBC logic for wiring all of the form data back to the database. He also had to utilize his front end skills including HTML, CSS and JavaScript for form validation. Lastly, Chris demonstrated his ability to construct proper SQL queries to extract and write data to a SQL database.

Most importantly during this project, Chris demonstrated his ability to quickly become familiar with a business process and ask the correct questions about what UI design should look like and how the data should flow. I was impressed by his thinking patterns and how he came up with some issues that we needed to resolve that I had not thought of.

Job Specific Competencies

Analytical Thinking

As stated above, I was impressed by Chris's ability to break down the business requirements handed to him. He was able to process what was being asked and even make suggestions and point out where there might be a more efficient way of doing something.

Communication

Chris did a good job of keeping the people he was working with (Deloss, Deb and I) up to speed with the progress he was making. If he had questions about something he did not hesitate to ask for clarification. One minor thing, when attending meetings, would like to see him bring a notepad and pen in order to take notes instead of just relying on one's memory.

Planning & Organization

Chris was given a couple of projects to work on at the same time. He demonstrated the ability to prioritize and manage his workload in order to meet the excepted project timelines. He was flexible enough to be able to bounce from one project to another in order to keep all tasks moving forward.

Teamwork

When given the opportunity, Chris worked very well with other members of the team. He knew who to contact when he had development issues and was an overall positive presence around the team.

Job Knowledge

I think that Chris exhibited that has a good understanding of at least the basic concepts of development involving front end skills like HTML, CSS and JavaScript as well as server side components like Java and working with JDBC logic. Even though it's not his favorite IDE, Chris demonstrated an ability to work within Eclipse and use CVS as a source repository to build and tag projects. One area we did not get to but that he should focus on moving forward is to be sure to build test cases out for all of his code before stepping off on

development. This will become essential in his career depending on where he lands. For a lot of development including projects here that he did not work on those test cases are an essential part of build pipelines within Jenkins.

Summary

Chris was a great addition to our team over the last few months. He stepped right in and starting doing meaningful development on projects that had tight timelines due to their relation to larger initiatives. He immediately demonstrated an understanding of the following technologies and was able to apply them on the various projects he worked on described above:

- HTML

- CSS

- JavaScript

- Java

- JSP Development

- SQL Query construction

- Accessing data via JDBC connection

- Usage of Eclipse workspace

- Knowledge of CVS source control system

As stated above, we were most impressed by Chris's ability to interpret our business requirements and develop out solutions with minimal guidance from our team. He was able to process what we were asking and apply that vision to the code he produced. Chris asked the right questions and showed that he has a good handle on how to constructively think about the development issues one faces and even better how to overcome them.

I requested feedback from those who worked with him during his time here:

Deloss – "Chris was great to work with. With limited instruction he was able to take our vision and execute on it. The changes he made to the look and feel of the application will have a great impact on user experience."

Deb - "I appreciated working with Chris. He was able to take what was in the requirements and quickly turn it around for us to test. During the testing phase he was very responsive and was able to quickly remedy any issues that were uncovered."

I urge Chris to continue on the path he is interested in taking. I do think he has the ability to have a long career on the development side if he chooses to do so. My recommendation would be to continue to explore these areas as this is where we see the most growth:

- Angular Development

- Anything involved with mobile application development

- Increased understanding of development lifecycles utilizing Git as a source control and Jenkins to build out pipelines

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I would like to thank Chris for the effort he put in here and wish him much success in his future. Should we be of any assistance here is our contact information:

Ton Tracy, Web Services Manager, ttracy@kmbs.konicaminolta.us – 201.785.2470

Deb Manion, Web Services Project Manager, dmanion@kmbs.konicaminolta.us

Deloss Schertz, Director of Enterprise Strategic Application Services, dschertz@kmbs.konicaminolta.us