

Session Abstracts for Thursday, July 21, 2016

Modernization Sessions

Build RESTful API's From Your Existing IBM i Assets – Gus Delgado

Learn about the principles of good API design to extend your existing IBM i system to the digital business economy. Participants will learn how to develop a RESTful API from a 5250 RPG application and automate as a responsive UX web app or web service.

Modernizing IBM i Documents with TLAForms – Keith Suedkamp

Modernize your forms process and learn how to turn your traditional IBM i spool files into full-color, fully-automated forms. TLAForms utilizes a powerful, yet simple designer, that allows anyone in your organization to quickly and effectively create high-quality, professional forms with barcodes, images, boxes, lines, and a wide array of fonts including MICR, with no programming knowledge required. See how these forms are output as PDF documents for automatic emailing, printing, or archiving. Start saving your company thousands of dollars today!

Introducing Valence 5, a Modern Web & Mobile Framework for RPGers – Robert Swanson

A modern web app, no matter what platform it's running on, consists of two primary components: (1) the "back end" server-side, where programs typically handle the business of retrieving/updating file data, crunching numbers, etc.; and (2) the "front end" user interface, where the data assembled on the server side is presented to the user.

As an RPG developer on IBM i, you already possess nearly all the skills you need to handle (1). This session will introduce you to (2) using the Valence Framework for IBM i. You may be surprised how easily you can get your RPG programs to talk to the web using this innovative framework that requires nothing more than a browser and your trusty IBM i server.

In this short session, Rob will:

- Introduce the concept of using a JavaScript Framework with RPG
- Demonstrate the most interesting features of the newly-released Valence 5
- Show how an IBM i "super user" or developer can make dashboard apps using Valence's Query tool
- Show how an RPG developer can quickly create a subfile-like file maintenance web app using AutoCode
- Walk through the process of how users would subsequently log in through their web browsers and launch these apps

Your Modernization Project Isn't Complete Without Graphical, Web and Mobile Reporting and Business Intelligence – Diana Stater

Reporting and Data Access: Where Modernization Meets the Eye

As a software developer interested in modernization, it's easy for you to get excited about new application development methodologies, languages, graphical user interfaces, and database design. For the managers who make budget and resource allocation decisions, the benefits of these efforts may be much harder to visualize and cost-justify. Introducing modern, graphical, web and mobile reporting and data access can be the fastest, least expensive, and most visible way to gain management support for your overall plan. During this session you'll see how you can integrate modern reporting and data access into your IBM i application environment and make your modernization project visible and valuable to the people who control the purse strings in your organization.

OpenLayer – Your bridge between IBM i and Cloud - Vijai Garg

OpenLayer champions on modern technology ecosystem and provides Agility, Optimized User Experience (UX), API economy, Internet of Things (IoT), Extra-enterprise technologies. It is versatile, robust, maintainable, usable, and scalable. OpenLayer breaks the monolithic approach of traditional legacy applications, one-size-fits-all and enables organizations to deliver fit-for-purpose client applications. OpenLayer provides a web-scale backend and tightly couples with monolithic traditional applications. OpenLayer can be deployed in Private, Hybrid, and public cloud.

OpenLayer delivers on three critical requirements:

1. Access: Anytime / Anywhere Access to any business application via any web browser
2. Extend: Personalize user experience across internal, external and cloud service
3. Integrate: Minimize Application & Business Process Integration time by eliminating the need for application and data base level development

OpenLayer is architected to facilitate the integration of diversified systems and fulfills the need of bridging legacy systems with modern cloud based systems. OpenLayer keeps "System of Record" (Mode 1 of bimodal IT) and "System of Agility" (Mode 2), in harmony without requiring any changes to the legacy (Mode 1) environment.

Fresche - IBM i Modernization Success – Eamon Musallam

Fresche are the world's leading vendor for IBM i modernization and management success. In this session, learn how Fresche's state-of-the-art modernization solutions, developer productivity & analysis tools, combined with our team of IBM i experts, are providing the IBM i community the proven guidance and pathway to ensure modernization success. Learn more about our comprehensive selection of IBM i tools, including X-Analysis, looksoftware newlook, BCD Presto, and WebSmart.

Modernizing IBM i Operations – Chris Bremer

Modernization and automation are key components to effectively manage your business continuity and disaster recovery solutions for data storage. Our expertise is in the design and architecture of Virtual Tape Library (VTL) systems, deduplication VTL systems, or even hybrid systems, which combine VTL with a tape solution for archival purposes. We will illustrate how to set up a seamless backup and disaster recovery solution between multiple sites which is an approach to data security that is currently in operation with hundreds of our clients today.

Specific Topics will include:

- 1) Modernization of ancillary backup without affecting core processes including, replication, archive, deduplication and tape stacking
- 2) Policy management
- 3) BCDR - Business continuity disaster recovery and what it means for you

Profound UI: The Key to Unlocking True IBM i Enterprise Modernization – Alex Roytman

Modern, web-based applications can make your Enterprise more efficient, connected and engaged. This session will demonstrate how the Profound UI framework is the best and most native way to convert your existing RPG applications and develop new modern applications for your business. Additionally, you will learn how you can address modernization across your Enterprise, including databases and legacy source code, and integrate new, open source development using Node.js.

We will demonstrate how Profound UI:

- Goes beyond simple screen-scraping to truly modernize your RPG applications
- Uses RPG Open Access and your own RPG code and development talent to modernize
- Enables rapid development with an easy-to-use, drag-and-drop Designer
- Integrates with our on-the-fly modernization, mobile development, and Enterprise Modernization solutions
- Supports open source development, including Node.js

Professional Development Sessions

Management by the Movies – Steven Wolk

Do you aspire to be a more effective leader? Are you tired of dull books about abstract leadership and management concepts? Perfect! Then come join this lively session!

Using clips from well known movies and TV shows, we will demonstrate key leadership traits and techniques you can develop within yourself. Seeing these approaches to leadership come to life on the big screen may just make you look at leadership in a whole new way. We will discuss each of the clips shown, to understand what they can teach us about leadership.

Learning Objectives: After participating in this session, attendees should have the skills and vision to:

- Understand the difference between management and leadership
- Lead people more effectively
- Motivate your team to improve results
- Better recognize good leadership qualities in others

Accelerate Your Excel! – Steven Wolk

Are you intimidated by spreadsheets? Do you use Excel for the basics, but know you could be so much more productive with it if only you knew how? Do you cringe when other business people within your company ask for data in spreadsheet form? Excel is a wonderful tool, especially when paired with the IBM i! It's incredibly powerful, and can save you lots of time.

This session will begin with the basics and then progress through more advanced Excel topics such as functions, pivot tables, and array formulas. Using real life examples, you'll see how these new skills will help you in your career. Finally, we'll review powerful methods of pulling data from your IBM i directly into Excel spreadsheets! You'll even leave with sample code you can leverage within Excel to give you one click access to run an SQL statement from your desktop and have the results returned in a spreadsheet.

Learning Objectives: After participating in this session, attendees should have the skills and techniques to:

- Understand the benefits of using Excel
- Use spreadsheets to improve your own productivity as well as that of your company
- Pull data from your IBM i directly into a spreadsheet in a variety of ways

Glossophobia or Fear of Public Speaking – Charles Guarino

Why is it for some people the mere thought of standing in front of a room brings on cold sweats, raised blood pressure and overall panic? And that's without even saying anything! How do others seemingly breeze right through a speech or presentation and actually enjoy the experience? Being able to speak before an audience is a key professional asset to possess, regardless of your industry. A huge part of conquering your fear of speaking in front of others and boosting your confidence is preparation. In this session we will discuss the process of abstracting, sequencing and ultimately delivering a speech or presentation of any length and on topic.

Audience: Anyone wanting to break free from the grips of glossophobia.

Importance of Modernizing Your IT Skills – Bob Langieri

It's all about accepting change and letting it be an advantage for you. Whether you will be working for 5 more years or 20 more years, you will surely be challenged to utilize skills that

may not be on your radar today. This is a fact that will affect you whether you are an IT Director/Manager, Developer, Systems Engineer/Administrator, or a Marketing specialist.

We will discuss how to read what trends are coming and which are going. Who and what are the influencers of change in your area of expertise. What skills will you need to add to your tool belt in order to be relevant? How to be mentally ready for shifts that could affect what you do and how you do it. Technology is changing faster and faster and you must be open to and ready for how it will change your career.

Application Developer Modernization Jump Start – Charles Guarino

Modernize, modernize, it's a word you hear more and more about. With the colossal shifting demands on today's application developers, how do you keep up? And what exactly is a modern application developer anyway? For starters, it's someone who can speak to today's technologies. And not necessarily with expertise in every area, but certainly at least know what exists. Join us for a rapid fire discussion on the many tools and technologies that every developer should know about. It's all about 21st century career survival.

Hiring and Retaining Development Talent – Brian May

In addition to speaking with customers and conference attendees about their hiring woes, I have also been involved in the hiring process for two different companies. After years of watching the industry and gathering input, I have come to the conclusion that the industry and the candidate pool are not always the problem. In this session I will share not only how to hire great candidates, but I will also discuss how to keep them!

Let social media work as your eyes and ears – Orlando Ferrer

You don't follow social media? Don't have the time? Find it too much work to keep up? You find that you're not getting recognition online? Are you just lost? Then, this may be a session for you. We'll talk about the real value of using social media as an interactive tool to stay current and be heard, and how to make it easier and fun, instead of feeling like it's a second job.

Items we'll cover:

- Why is it important?
- What do you get out of it?
- How much effort do you really need to expend?
- The How to do it.
- The what not to do.
- Tips on making it fun and not work.
- It's about aggregating your efforts.
- and more....

Programmer Productivity – Philip Yurchuk

Productivity is the ultimate win/win, yet there are so many forces working against it. I'm going to share everything I've learned over the last 20 years doing bigger things with smaller teams. I'll be talking about it from both an individual and team perspective and cover:

- What is productivity, and how do we measure it?
- Best and worst practices, based on software engineering principles and psychology/cog sci

It will be packed with clear, actionable advice and light on cheesy motivational speaking.