New Technologies for the New Year

Tech Trends: Hello and Goodbye

What are the Best Content Management Systems?
The Digital Mixer was initiated to informally introduce current technology students to the local IT industry and potential future employers. Every year nearly 40 employers and hundreds of students have converged on the Apollo Room in Wright State's Student Union to socialize and circulate. Over the years that we have co-hosted the Digital Mixer with Wright State University, University of Dayton, and Sinclair Community College we have strived to have a “networking” feel to the event rather than your typical career fair. You know like a cocktail party without the cocktails.

On February 20th, students from Cedarville University, Sinclair Community College, University of Dayton, Clark State Community College, Wright State University and many others will participate in this unique student and professional networking event. No company booths or banners will be set up — just a room filled with conversation about the Dayton IT industry.

Technology First — with staff leadership from the Wright State University Sinn College of Business — work together to organize and host this worthwhile program. Employers don’t necessarily need to be looking for interns or be interested in hiring graduates but are asked to send IT professionals at all levels and from multiple technical specialties. At this event they get a chance to meet and greet students interested in learning more about continuing their IT careers in Dayton. For those employers who are proactively hiring interns or new grads - resumes will be provided featuring those students interested in possible job opportunities.

The Digital Mixer in conjunction with the Robert V. McKenna annual scholarship program — both sponsored jointly with Technology First — work together with employers and universities to retain outstanding students. Mark your calendar for February 20th. This is an event not to be missed.

In 2013, nearly 1,250 Montgomery County youth were placed at 275 work sites in various industries. The youths’ wages are provided through State and County funds, which is a tremendous benefit to the participating businesses. This collaboration provides the work experience and guidance needed to create a strong and informed future workforce.

In 2014, YouthWorks! will provide employment opportunities for an additional 1,000 young people that will help shape their future and create a generation of career informed youth.

In order to provide the most benefit to the youth, we are looking for an additional 300 employers willing to participate as worksites.

In 2014, YouthWorks! will provide employment opportunities for an additional 1,000 young people that will help shape their future and create a generation of career informed youth.

In order to provide the most benefit to the youth, we are looking for an additional 300 employers willing to participate as worksites.

To participate in 2014, contact Rocky Rockhold at 937-224-1482 or ROCKHR@odjfs.state.oh.us
EVENT

Taste of IT Winners

Lance Smith Samsung Tablet provided by Document Solutions
Tim Ritchey Juice Box 5200 provided by FERRYPPTECH
Joe Hickey Book provided by Books & Co
John Montavon Appetizers to Dublin Pub
Paul Moorman Gift card to Milano
Chris Schrameck Gift Card provided by Brixx & Co
Tim Kelly Gift card any large pizza provided by Pizza Factory
Jim Cengia Gift Card to Bone Fish Grill provided by Segue Technologies
DeVora Jones Gift card to Best Buy provided by CommSys
Mark Austria Gift Card to BestBuy provided by Brooksource
Priyanka Boole Roku Media Player provided by Afidence
Mark Human Sinclair Sweatshirt
Scott Bostic LCD Monitor provided by Open Systems of Cleveland
Mark Neuman HP Slate 7s provided by Insight
Cindy Shoenleben HP Slate 7s provided by Insight

Satish Kumar Stella Artois Picnic Basket provided by Heidelberg
Robin Poffenberger OSU Basketball Tickets provided by Uptime Solutions Inc.
Luke Prindle OSU Basketball Tickets provided by Uptime Solutions Inc.
Michael Hadjian Surge Protector provided by UpTime Solutions Inc.
Jessie Jackson Makers Mark provided by Lighthouse Technologies
Kevin Jackson Gift Basket provided by Time Warner Cable Business Class
Daniel Whaley Gift card provided by Brooksource
Jordan Marlin Galaxy Note provided by Software Information Systems, LLC (SIS)

Mark your Calendars for the Winter Events Lineup

January 24
CIO Forecast Panel – Quarterly Event

February 6
Tech Thursday

February 20
Digital Mixer – sponsored by WSU, UD, SCC, and DPL

February 28
Business Intelligence special interest group

March 12
Ohio Information Security Conference
Tech Trends: Hello and Goodbye

By: Mark Neistat, US Signal

Trends, by their very definition, are temporary phenomena. Initially, they always take off and spark; that’s what grabs our attention and makes us look their way. Some go on to be indispensable parts of our culture; others sputter and disappear. Same is true with tech trends. This blog will look at past tech trends that have been integrated into our lifestyles and those that burned bright and then exploded.

Here to Stay: Laptops, Cell Phones, Email

It is generally accepted history that the laptop computer began with the invention of the Osborne 1, which debuted on April 3, 1981. It weighed 24 pounds and could only display 52 characters per line. It was essentially a desktop with a small monitor screen and a handle. It was discontinued after two years.

Alan Kay, a computer scientist, created the Dynabook, a device intended for children. It had graphical interfaces, a no-moving parts keyboard, and was designed to be rugged and inexpensive. Kay later joined Xerox to help them launch the Alto in 1973. The Alto was the first computer to use a mouse-drive GUI. During this period, a young technology enthusiast named Steve Jobs took a tour of Kay’s lab.

The first machine to look like today’s laptops – flat screen in a clamshell design over a keyboard – was the GRiD Compass. It had an eye-catching black magnesium case and a $10,000 price tag. Besides the outsized expense, it also depended on AC power. However, the GRiD cast the die for the now ubiquitous and practical laptops of today.

Dr. Martin Cooper, who worked for Motorola invented the first practical cell phone in 1973. Its nine inch length and 2.5 pounds of weight was a pixie compared to AT&T’s “radio” phones that tipped the scales at an obese 80 pounds. Dr. Cooper, ever the prankster, made the very first cellular telephone call to Joel Engel his rival at AT&T. Today cell phones are as much a part of person’s daily routine as getting dressed.

Email was invented out of sheer frustration. Back in 1971, Ray Tomlinson, a young engineer at BBN Technologies, was angry that his colleagues would never answer their phones. Because his company was hired by the United States Defense Department to build the first Internet, he was experimenting with ways humans could interact with computers. Electronic messages could be written and stored on a computer. But they could only be read from that computer. The setup was nothing more than an elaborate, electrified, notepad. In an innovative move, Tomlinson used a file transfer protocol and adapted it to send electronic messages to any computer on the network. He chose the @ symbol to identify which user was at what computer — the email system and message format was born.

Shown the Door: 3D TV, Netbook, QR Codes

In 2011, if you went to the Consumer Electronics Show in Las Vegas you would have left with the notion everyone was going to have a 3D TV in their living room. James Cameron’s Avatar launched the 3D missile as the movie grossed more than $2 billion worldwide. Nearly 81% of that total was from 3D screenings.

As it turns out, even devoted couch potatoes do not want to wear those glasses. They would rather watch HDTV and use the new voice command features so that it is not even necessary to pick up a clicker. The main problem with 3D TV is the image quality level is not worth the extra dollars for the feature. Plus, 3D programming is very sparse. However, this technology trend is probably only in hibernation. Glasses-free 3D technology is being developed and more 3D content is making its way onto Blu-ray discs, streaming video, and live broadcasts. Look for this technology to bounce back hard.

(continued on page 5)
The Netbook was an early 21st century’s tech meteor. First introduced in 2007, their smaller size and $300.00 or less price point excited the tech world. The Netbook’s prime growth occurred in Q2 2009 when the total PC market passed the 38 million mark. Netbook sales grew 40% over the previous quarter, almost double the 22 percent growth of Notebooks.

And then, mass confusion.

A report by the NPD Group found that 60 percent of consumers believed that Netbooks had the same functionality as Notebooks. This confusion stemmed from manufacturers’ attempts to slice and dice the personal computer market. Palmtops, Netbooks, Ultrabooks, Notebooks, and laptops were, at one point, offered to buyers at the same time. Although there are significant differences in compute power, size, and overall functionality between the various products, these distinctions blurred.

Ironically, in a vivid demonstration of consumer fickleness, the study revealed that “PORTABILITY,” the very feature that buyers said attracted them to Netbooks, was ignored — 60% of buyers never took their Netbooks out of the house.

As it turned out, the Netbook was an elaborate proof-of-concept product. Their demise was by the very product they spawned. Their deathblow came courtesy of Apple with the 2010 introduction of the iPad.

Finally, QR codes collapsed under the weight of their proliferation. They were plastered on clothing, dog tags, billboards, carved in skin as tattoos, even on gravestones! The idea of these Quick Response codes was to create a meaningful interactive user experience with the product they advertised. Besides the absurdity of finding one of these stitched into your underwear, ultimately, their demise was poor content. The experience behind the code was a disappointment. Instead of pertinent product information, the codes were just a mind-numbing trail to other ads.

Let’s see what happens in the next few years with smart watches, Google Glass, and Bitcoins.
What are the Best Content Management Systems?

By: Anthony Taylor, Segue Technologies

Hopefully you have an understanding of what a Content Management System is and why it's worth the investment. If you need to refresh your knowledge on CMS check out Todd Godbout's blog, “What is a Content Management System (CMS) and is it worth the investment?” to get up to speed.

Following are some of the best and most widely used content management systems on the web. The best part about a CMS is that it doesn’t require you to have a large technical background to use it to maintain and update your website content. A large majority of them are simple and easy to use and offer a diverse set of functionalities that fit your needs. A CMS allows you to have a dynamic and informative website while minimizing your long term website development and maintenance costs. Let’s take a look at some of the top CMS contenders across the web: Drupal, WordPress, and DNN.

### Drupal

Drupal is an open source, database-backed, web platform with a large community of developers from around the world. A big draw of this product is that it is free to purchase. However, its costs are usually associated with customization and implementation vs. licensing fees. Using Drupal requires little to no web application development knowledge and can be maintained fairly easily with file maintenance tools. You can implement hundreds of themes from the Drupal website, or design your own, and there are thousands of add-on modules to assist with site customization. Some of these modules include a Search Engine Optimization (SEO) compliance checker, Facebook Social Integration, a Twitter module for associating twitter accounts with Drupal user accounts, a URL shortening module for easy URL copying, a Google Analytics module to track your site’s traffic and page logistics, and a MetaTags module to help search engines pick up on keywords from your site.

Drupal is a content-driven, multi-user system that allows users to login based on access levels. As an administrator, you can decide what content types particular users are allowed to access, and enable user roles to control your content workflow. Drupal can host and promote your content to some of the most popular social outlets, extending allowed to access, and enable user roles to control your content workflow. Drupal can host and promote your content to some of the most popular social outlets, extending your web presence on Facebook, Twitter, and many other well known social media sites.

Drupal websites are some of the most secure websites. Security is tested regularly by both the Drupal community and security experts around the world. Government agencies, large corporations, news, non-profit, and many schools districts and higher education institutions deploy their sites using Drupal. We even use Drupal as our Content Management System for the Segue website.

### WordPress

WordPress, licensed under the GPL v2 (or later), is one of the most popular content management systems. WordPress is a multi-user and multi-blogging system. Multi-blogging allows you to run more than one installation of WordPress on one domain. This functionality in WordPress enables each website to host its own blogging community with the ability to handle administrative tasks from a single dashboard. Primarily used as an open-source, self-hosted, blogging tool built on PHP and MySQL, there are currently over 70 million WordPress sites in the world. WordPress sites are customizable to meet the specific needs of users, with over a thousand different free and paid themes. You can also go from a simple blog to a fully integrated CMS site by downloading and installing plugins and widgets from the wordpress.org site.

WordPress is optimized to operate on all major mobile and tablet devices with the latest operating systems. WordPress mobile capabilities lets users stay connected to their content while on the go. Users can create new content, comment on blogs, and moderate existing blogs while waiting on a fresh slice of pizza from Lost Dog Cafe.

### DNN (formerly DotNetNuke)

DNN is a robust content management system built on Microsoft .NET. This CMS has a widely publicized open-source community that is licensed through MIT, as well as commercial licensing for its professional and enterprise software. DNN works dynamically to provide content for commercial websites, social intranets, partner extranets, and community portals. With over 8 million downloads, DNN is run on 750,000 different websites around the world, including three for United Negro College Fund (UNCF) business units, developed and deployed by Segue.

DNN uses a skin architecture, which simplifies development for web designers by separating the design and the content. The skin framework consists of HTML files, menus, images, CSS, and JavaScript. DNN utilizes a host of modern client-side web tools like CSS3, HTML 5 and jQuery.

There are hundreds of other content management systems available with functionalities to meet your needs and beyond, but be mindful of how user friendly the CMS is for you. You don’t want to spend hours trying to figure out how to modify content, or pull out your hair trying to figure out why a user developed theme doesn’t match your existing menu navigation after it’s already implemented. Make sure the CMS has all of the capabilities that work for you, even if it isn’t one of the most widely used content management systems. Don’t just be another page on the web filled with ads and cumbersome blocks of content. Provide a user experience and build a web presence that makes sense.
With a wide range of deduplication appliances out there for a backup target, one option is simply Server 2012. Server 2012 has a deduplication feature now, set per volume, and can offer great results when used as a backup repository for Veeam.

Veeam has excellent “per job” inline deduplication which ensures that each backup file is not storing redundant data. By using that in conjunction with Server 2012 “per volume” deduplication, we can achieve around 70% or more deduplication. That’s big savings!

Server 2012 dedupe algorithm is quite interesting. It takes files and breaks them into variable chunks, ranging from 32kb — 128kb. Using this algorithm, we can break up files into common chunks and store them once.

**Veeam Options for Dedupe Storage**

Veeam has two options for dedupe storage repositories.

- **Align backup file data blocks** — The explanation sums it up. By aligning the blocks, we can ensure that our chunks are consistent, making it easier for Server 2012’s algorithm to get its variable chunks out of the backup file. Veeam recommends not using the Align backup file data blocks with Server 2012, as the variable length chunks don’t require alignment. It is possible that by aligning, you will decrease your deduplication rate slightly.

- **Decompress backup data blocks before storing** — While this seems counter-productive, it’s actually quite beneficial. When we have them compressed, it’s harder to find similar chunks to dedupe, but by allowing them to sit uncompressed, Server 2012 has a much better chance of getting similar chunks.

The results: My lab is running slim right now, so I only tested with a handful of VMs, but you will notice a difference when using both options above.

**No Options Selected:**

<table>
<thead>
<tr>
<th>Backup Size</th>
<th>Deduplication Rate</th>
<th>Free Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 GB</td>
<td>70%</td>
<td>30 GB</td>
</tr>
</tbody>
</table>

These results are just for one full backup. Where this will really shine is over time, and especially if you have multiple Veeam backup jobs. Remember, Veeam dedupes per backup job; you don’t get deduplication of multiple jobs, and incremental jobs after the first — but by using Server 2012 dedupe, you will!

Follow Tim at his blog [http://tsmith.co](http://tsmith.co) or [www.techblogring.com](http://www.techblogring.com)
IO, a global leader in software-defined data centers, today announced that a third-party evaluation by Arizona Public Service (APS) showed that a modular data center technology installation in IO’s Phoenix facility has achieved 19% energy cost savings quantified by its improved Power Usage Effectiveness (PUE) ratings. APS findings confirmed that IO’s manufactured, modular approach at this location is more efficient than the traditional raised-floor data center environment.

In its third-party evaluation, APS analyzed 12 months of data from both IO.Anywhere® modules and the traditional build-out located at the IO Phoenix data center. APS monitored PUE for calendar year 2012 and found the Data Center 1.0 (traditional build-out environment) had a PUE of 1.73, while the Data Center 2.0 (IO.Anywhere modular data center environment) had a PUE of 1.41, both well below the industry average. That efficiency gain translates into an annual savings of $200,000 per MW of average IT power within the IO.Anywhere modular build-out.

PUE is an industry measurement of how efficiently a data center uses power; specifically, how much of the power is actually used by the computing equipment (in contrast to cooling and other overhead). Uptime Institute has placed the global average PUE of 1.8–1.9 for traditionally designed data centers (Data Center 1.0) and benchmark studies in Asian markets have shown PUEs over 2.0.

“Our calculations did show that the IO.Anywhere modular data center uses less energy than a traditional data center build-out, at least in the case of this IO data center,” said Wayne Dobberpuhl, APS Energy Efficiency Program Manager. “Moving forward, we are working with IO to establish the right baseline for assessing the appropriate rebate for this efficiency work under our Solutions for Business program.”

“The portion of PUE above 1.0 denotes energy not going to IT equipment, and that’s where efficiencies can be found. We’ve reduced this portion from 0.73 down to 0.41 in our switch to the IO.Anywhere modular data center, which we recognize as a 44% reduction in energy spent on infrastructure versus primary business applications,” said Patrick Flynn, Lead Sustainability Strategist, IO.

He continued “We recognize that PUE has an important place in customer assessments of a data center’s cost effectiveness and environmental sustainability. Part of our job at IO, therefore, is to validate PUE in actual deployments today, and to continually improve data center performance. Another part of our job, one we are working on, is to evolve the calculation of the PUE metric itself, so that it becomes a more meaningful tool for business.”

About the APS Third-Party Evaluation
IO Phoenix utilizes both traditional and modular data center environments, providing a unique position to partner with APS on a comparative PUE evaluation.

The following parameters were put in place, so APS and IO could create an ‘apples to apples’ comparison rather than comparing disparate geographic locations with different operations staff. The local temperatures, humidity, IT load and operating practices can affect PUE and it would be misleading to compare PUEs among different data center locations. The APS calculation measured energy efficiency of the IO real-world production data center running a mix of enterprise equipment and applications — not specialized, single purpose environments.

• Same Geography. All numbers from this report come out of IO Phoenix, which contains traditional 1.0 and modular 2.0 data centers.

• Same Chiller Plant. Shared chiller plant — same efficiency for both environments.

• Same Building. Same Envelope. The IO.Anywhere modules are housed in a data center, though not all of our deployments have this ‘nested’ scenario (continued on page 9)
BUSINESS

(continued from page 8)

• Same Operator. IO operations staff monitor and maintain both environments on behalf of customers and IO. Utilization: Current utilization of a 200 kW IO Anywhere data module was used to project annual savings.

About APS
APS, Arizona’s largest and longest-serving electricity utility, serves more than 1.1 million customers in 11 of the state’s 15 counties. With headquarters in Phoenix, APS is the principal subsidiary of Pinnacle West Capital Corp. (NYSE: PNW).

About IO
IO is a global leader in software-defined data centers and has pioneered the next generation of data center infrastructure technology. IO’s integrated hardware and software data center technology platform offers enterprises, governments, and service providers an innovative way to deploy, provision, and optimize data center capacity anywhere in the world. IO technology lowers the total cost of data center ownership compared to traditional data centers, enabling dynamic deployment and intelligent control based on the needs of IT equipment and applications in the data center.
These days businesses rely on remote and mobile users. We’re all looking for the same “ease of use” that we’ve experienced with our smart phones and tablets PLUS the fulfillment of our need for full blown business applications. We don’t want to work from multiple devices, just find one that handles everything. These needs have spawned the next breed of business focused tablets. Apple offers the MacBook Air; Sony has the Vaio Pro; both focused towards consumers and Lenovo offers business choices with IdeaPad Yoga, ThinkPad Helix and ThinkPad Twist.

Other vendors with solutions for these issues include Acer, Samsung, Dell and Toshiba. Through our internal testing, we’ve found HP’s EliteBook Revolve to be a sturdy laptop with comfortable, functional tablet process.

The Revolve offers automatic adjustment of the screen orientation, brightness based on the way you are working. The keyboard is full sized backlit, spill-resistant with a bottom-case drain and there’s an option for an $8 Stylus. Active Pen. Software includes Active Directory, HP ePRINT, PDF complete corporate edition, Adobe Flash and it’s Skype ready. Security is similar to HP laptops and management tools include LANDesk Management and Security Suites with HP Software Manager and Softpaq Download Manager no charge download from the web.

Starting price for the 810 is $1249 with an 11.6” display, 128GB storage, 802.11 b/g/n wireless with optional 4G WWAN using HP’s Connection Manager and your data plan. This system has preinstalled downgrade rights to Windows 7 Pro software with license and media for Windows 8 Pro 64 bit for your choice of one OS. It only weighs 3.02 pounds. It’s like a laptop that your IT department would appreciate and recommend with a tablet feel. The name Revolve is a good fit for the functions with the center hinge screen that spins enabling it to flip over as the laptop is folded up and functionally becomes a tablet. The back is lined with ports including 2 USB.

HP refers to the EliteBook Revolve as its next generation convertible tablet, “Employees want computing devices that work the way they do — flexibly and able to adapt to any situation,” said Dan Forlenza, HP.

As with prior HP laptop and tablet releases, this is made of magnesium and has been tested and passed seven military standards (MIL SPEC-810G) including those for drops, vibration, dust, altitude and temperature. It sports soft, rubbery surfaces with a simple elegance and squared, angular design. We found the touch controls (swipes, clicks and multi-finger gestures) responsive and quick. Images hold well past 180 degrees so the flexible viewing angles are a nice addition. The keyboard has fairly standard laptop key depth and while the touchpad has no mouse buttons a single finger acts as a left click and two fingers for a right click. We have found the battery good for about 4 hours use which may be a limitation to some but the AC Adapter and docking station seem to work well in our mobile environments. There is also an option for a DC laptop car adapter charger cord with USB device charger that we found on Amazon for $15.99.

According to Mitch Cline, HP Ohio Partner Business Manager, “Business response to the EliteBook Revolve has been fantastic. This ultra thin, full performance Windows 8 notebook transforms seamlessly into a tablet so you can choose what works best for you in any situation.”
"cramming sessions" are held during school breaks. Instructors use free time at the end of each class for "skills drills," and special from Tuesday through Friday only, with Mondays reserved for tutoring.

forensics, to earn their Associate of Applied Science degree. However, classes run fundamentals, followed by six months apiece on network security and computer security becoming integral parts of every IT department."

Fortis' goal in introducing the program was to be ahead of the curve by being the first entity of its kind to offer a program designed to prepare students to investigate cyber-crimes, test and ensure network and cybersecurity, identify how hackers break into systems, and draw evidence from computers, email, and cell phones.

Neville and his colleagues also noticed that while students graduating from nearby institutions with associate-level degrees possessed the academic knowledge and/or experience to procure IT jobs, employers were not so quick to hire them because they lacked certifications. Consequently, they built the content of the Cyber Security and Forensic Program around nine certifications, among them CompTIA A+, CompTIA Network+, CompTIA Security+, and CompTIA Linux+. To encourage students to sit for exams upon completing their education, the cost of exam vouchers was incorporated into tuition and fees.

But despite the free vouchers, few students pursued certification of any kind. Some claimed it made no sense for them to invest time in exam preparations, given that earning a certification was not mandatory. Even the fact that their exam vouchers had already been paid for failed to influence their decision.

Fortis' administrators eventually took the matter to the corporate level, proposing that all students enrolling at the school after a certain date be required to earn at least two certifications as a condition of their graduation. Members of the Education Affiliates team were skeptical that the new measure would work, but Neville said, "This may be a new program, but when students interview for jobs armed with a combination of experience, education and certifications, it makes the world of difference in hiring decisions."

Fortis graduates Nathan Lanning and Simon Ireton know this first-hand. Lanning is employed as a network support specialist at Reynolds and Reynolds, a Dayton, OH-based automotive dealer support company. He said, "Having CompTIA A+ and CompTIA Network+ certifications to complement my degree has caused employers to respect me more during the interview process and take my interest in their company much more seriously."

Ireton works as a PC technician at Wright-Patterson Medical Center on Wright-Patterson Air Force Base, near Dayton. A desire to challenge himself led him to Patterson Air Force Base, near Dayton. A desire to challenge himself led him to earn three certifications: CompTIA A+, CompTIA Network+, and CompTIA Security+. Ireton believes that this move was instrumental in helping him ace the interview for his current position. He stated, "I really do feel like a million bucks with my certifications under my belt because potential employers can see that I have been taught the essential skills an IT professional must have in order to be successful."

Ireton added: "The interviewer said she usually asks people IT questions, but wasn't really going to ask me any since my certifications prove that I know what I'm doing. Combining certifications, education, and experience was a win-win for me, and is for everyone."

For further information contact Dan Neville, IT Department Chair at FORTIS College, 555 E Alex Bell Road, Centerville, OH 45459
DNeville@fortiscollege.edu
Office: (937) 433-3410 x 5750
Cell: (407) 687-8251
PQ Systems is excited to announce the release of the new GAGEpack® web-based mobile app—GAGEmobile™. The new app provides GAGEpack users access to information from their gage database on both mobile and desktop devices.

“The main advantage of GAGEmobile is the freedom to pull up gage information without having to be at a computer where GAGEpack is installed,” providing flexibility and saving time, says David Shattuck, lead developer of the GAGEpack team. Using GAGEmobile, an organization’s gage database can be accessed by authorized users in a different building or even a different country. “Complete gage records are still maintained with the GAGEpack program itself,” says Shattuck, and GAGEmobile provides the access for mobile users.

Because the app is web-based, GAGEmobile is not limited to a particular operating system and allows users to access their gage database on iOS, Android, and Windows phones and tablets via the device’s web browser. In addition, the GAGEmobile website interface can also be accessed using a web browser on desktop and laptop computers.

Specific gage information can be accessed simply by browsing the gage list or by entering a gage number in the easy-to-use filter feature. Selecting a specific gage will display the details of that particular gage, including its number, status, and calibration due date.

There can be no doubt that mobile apps are increasingly enhancing efficiency in manufacturing operations, and in this sense, this partnership between GAGEpack and its offspring GAGEmobile will indeed represent a “game-changer” in terms of saving time and maintaining accurate records.

GAGEmobile is available free to all GAGEpack 10.0 users with a current maintenance contract. For more information, contact support@pqsystems.com.

In addition, a demo website with two sample gage databases has been established. To access the demo website, download a short Getting Started Guide that provides an introduction to GAGEmobile and explains how to login.
Your Ad Here!

We’ve saved a spot for you.
Contact Russ Bennett at (937) 229-0054 or rbennett@technologyfirst.org to discover how this space can work for you.

www.technologyfirst.org/advertise

TECHNOLOGY FIRST
Best Connected IT Community
For more information about these jobs and other jobs, please visit http://www.technologyfirst.org/component/employment_exchange

Software Tester ................................................... Lighthouse Technologies, Inc.
Technical Support/Help Desk .................................. CommSyx, Inc.
Systems Manager .................................................. Dayton Metro Library
Major Account Sales Rep ...................................... Perry proTECH
SQL Server DBA .................................................. Trimble Navigation
Oracle Business Analyst ...................................... Trimble Navigation
ECommerce Business Analyst .............................. Trimble Navigation
Business Systems Support - Oracle ERP .............. Trimble Navigation
Agile PPM Support .............................................. Trimble Navigation
Regulatory Compliance Specialist ...................... Trimble Navigation
Web Application Administrator .......................... WinWholesale Inc.
Oracle E-Business and ATG Web Commerce Consultant .................. Lighthouse Technologies, Inc.

Tech Source helps you make the right connection with suppliers that meet your specific requirements.
• Fast and simple to use — no cost to look — save time and money
• Discreet search allows buyers to research options and initiate contact
• Competent resources for our region

go to: www.technologyfirst.org click on: Tech Source
or
rbennett@technologyfirst.org
937.229.0054

Make Tech Source Your First Stop in Finding IT Resources!
Train today for a career in Java Programming and Android Mobile Application development

Java Programming and Developing Android Mobile Apps Package

Combine the five-day Java Programming course—which is an intensive and hands-on training emphasizing becoming productive quickly as a Java™ application developer—and the three-day Developing Android™ Mobile Apps for Business class, for a deeper discount. You’ll build a solid foundation in Java, a programming language that has application across a broad range of development projects, and then use those new skills to learn how to develop on the Android OS platform. The Android OS Platform has overtaken the mobile device marketplace as the dominant operating system for tablets, smartphones and more.

Feb. 24-March 7, 2014, 8:30am-5:00pm, $3,984

Java Programming

Intensive and hands-on, this 5-day course emphasizes becoming productive quickly as a Java™ application developer. This course quickly covers the Java language syntax and then moves into the object-oriented features of the language. Students will then use several of the provided API packages, such as I/O streams, collections, Swing GUI programming, threads, and accessing a database with JDBC. This case includes an extensive suite of labs. It is current to Java 7 and uses the Eclipse IDE.

Feb. 24-28, 2014, 8:30am-5:00pm, $2,499

Developing Android Mobile Apps for Business

The Android OS platform has overtaken the mobile device marketplace. Android has become the dominant operating system for tablets and smartphones, not to mention a myriad of other gadgets such as digital picture frames, streaming TV servers and more. In this course, you will learn how to develop and publish an Android app, focusing on developing business apps for tablets and smartphones that are compatible with a wide variety of Android versions and device layouts.

March 5-7, 8:30am-5:00pm, $1,650

Google in the New Year!

Get ahead of your competitors by mobilizing your business with Google’s FREE online office productivity and marketing tools

Introduction to Cloud Computing
01/13
8:30am-12:30pm
$150

Google™ Apps for Businesses
01/14-15
8:30am-4:00pm
$699

Google™ AdWords: Part 1
01/16
8:30am-5:00pm
$299

Google™ Analytics for Businesses
01/17
8:30am-5:00pm
$299

Sign up for the entire Google™ for Business series for $1,280 and get admitted to a special Google VIP Q&A session in addition to a special discount. You’ll also become a member of our “Google Club” for free and receive on-site post-training support.

All classes are held at Milard Valley Research Park, 1900 Founders Dr. Kettering. Call 937-252-9787 or visit sinclair.edu/workforce for more information.

UPCOMING COURSES

January 2014

Health IT Technical Support Professional Six-Month Online Course
01/06/14-07/09/14, $7,500

Introduction to C# Programming with Microsoft® .NET
01/13-14/01/17/14, 8:30am-5pm, $2,495

Administering Microsoft SQL Server 2012: Database
Online Live Instructor-Led
01/13-16/01/17/14, 8:30am-5pm, $2,495

VMware® vSphere: Install, Configure, Manage (V5.1)
01/13-14/01/17/14, 8:30am-5pm, $3,445

ITIL® Foundation (Certification Test Voucher Included)
01/13-14/01/17/14, 8:30am-5pm, $1,595

Microsoft® Windows Server® 2012: Installation and Configuration (Exam 70-410)
01/27/14-01/31/14, 8:30am-5pm, $2,495

February 2014

VMware® vSphere: Optimize and Scale
02/03-16/02/17/14, 8:30am-5pm, $3,445

Programming with C# using Microsoft® .NET Framework 4
02/03-14/02/17/14, 8:30am-5pm, $2,495

Microsoft Project 2010: Level 1
02/05/14, 8:30am-5:30pm, $260

Microsoft® Windows Server® 2012: Administration (Exam 70-412)
02/24-03/07/14, 8:30am-5pm, $3,495

Not seeing a class you’re looking for? Contact us today! 937-252-9787
workforcedevelopment@sinclair.edu
www.sinclair.edu/workforce
Mobile Responsive Websites For Companies on the Grow

• Responsive Web HTML5 and CSS3 Development
• Custom Apps Development
• Ecommerce Solutions
• Search Marketing
• Social Media Marketing
• Content Management Solutions
• 3D Modeling and Animation
• Video Production

www.bitstormweb.com  937-438-3434  info@bitstormweb.com