Krists Auders

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SKILLS SUMMARY

Protocols
- Network: ARP/DHCP, DNS, BGP, TCP/IP, CORS
- Web Services: RESTful, SOAP, ParlayX, OAuth, JSONP
- Data: SMPP, HTTP, SCP, SFTP, SSL/TLS, SSH

Operating Systems
- Linux/Unix: Redhat Enterprise, BSD, Backtrack 5, CentOS, Debian, Ubuntu
- Windows: Server 2008 R2, Server HPC, Hyper-V, Server 2012
- Mac: OSX Server, OSX Mountain Lion and older

Software Languages/Environments
- Web: Java/JSP, Node.JS, Ruby, Javascript, HTML5, CSS3, JQuery, YUI 3
- Server: Perl, C/C++, SQL, MongoDB, CouchDB, Riak
- Scientific/Parallel: Matlab, FORTRAN with MPI, C/C++

Tools
- Networking: Wireshark, Nessus, tcpdump, netcat, curl, aircrack-ng suite, SoapUI
- Web Hosting: Apache 2, Tomcat 6/7, Sinatra, Jetty, Nginx, BIND 9, Drupal 7
- Server Administration: Webmin, Parallels Plesk, Apigee Key Manager
- Monitoring: Nagios, Apigee Control Center, Google Analytics, Browsermob, WebMetrics
- Virtualization: VMWare, Hyper-V, VirtualBox, Proxmox VE, Parallels
- Development: Cloud9 IDE, XML Spy, Eclipse, Xcode, Aptana
- Miscellaneous: Github, GitLab, Quality Centre, Visio

PROFESSIONAL EXPERIENCE

Professional-Technical Architect
AT&T, Applications and Services Infrastructure (Redmond, WA)
July 2012 - present

- Worked on AT&T API Platform, part of the AT&T Developer Program
- Lead project to design, build and deploy a new process, system and tools for API specification, documentation, review and publishing
- Served as technical lead in architecting and deploying a large site redesign by migrating all existing documentation to a new content management system, guided by final wireframes, comps and business needs, with budget restrictions
- Responsible for designing, testing and supporting tasks for multiple large usability tests of the AT&T API Platform and website
- Supported multiple AT&T Hackathons as a technical expert and evangelist
- Represented technical team to marketing and business stakeholders responsible for feature planning and user flow design
- Built JavaScript plugin prototype and documentation for accessing AT&T APIs, to gain support for implementing proper Cross Origin Resource Sharing CORS
- Managed Github repository structure for AT&T API Platform
- Main administrator/manager of Linux & Windows servers hosting demos and documentation of all sample code, SDKs, and other tools for the program
- Wrote numerous tools/scripts for automation and testing in various languages
- Determined integrated hardware and software architecture solutions that meet performance, usability, scalability, reliability, and security needs
- Researched and recommended technology to improve the current systems
- Mentored and provided technical guidance and explained advanced concepts to others in work area

Wireless Architect
Sentaca, Inc. - Contractor at AT&T (Redmond, WA)
January 2011 - July 2012

- Worked on AT&T API Platform, part of the AT&T Developer Program
- Designed and developed suite of sample applications for developers in Java and Ruby
- Lead further development of sample applications in Java, Ruby, PHP, VB.NET and

C#.NET
- Designed and developed suite of browser based tools for testing APIs, used by multiple teams
- Designed and developed many internal solutions, such as a notification proxy and an automated source code wiki page Github Gist builder
- Planned and managed all private and public Github source code repositories for the AT&T API Platform
- Planned and managed source code management, testing and deployment procedures
- Managed 7 sample application and documentation servers, including full design and deployment, stability testing and monitoring, and a complete migration to a new infrastructure with minimal downtime
- Designed and built a full set of API and Tool monitoring test cases using Browsermob/WebMetrics
- Served as the technical lead on a large scale usability project, including repeated usability testing and complete redesign of online documentation, application provisioning interface, sign up process, and document management system/process
- Researched, deployed and managed a public facing API discovery/exploration tool, the Apigee API Console, which was one of the platform's most visible assets
- Worked on end-to-end developer and user experience testing, and provided Tier-3 support to large enterprise customers with edge case technical issues, as well as worked closely with developers using our platform to find out what they needed
- Assisted in weekly reporting and analytics for platform usage, tracking data and creating reports for Marketing executives

Student Assistant
UCSD Housing, Dining & Hospitality Info Technologies Dept. (San Diego, CA)
March 2009 - August 2010
- Administered domain controller server and user/machine domain accounts/group policy/client logon scripts, print server, Windows XP/7 deployment servers, DHCP server, web application servers on Windows 98/XP/7/2008R2
- Managed web servers for Kronos, Maximo, Sharepoint and other databases
- Played an integral role in building, deploying and managing server room and entire network of hardware and software for new administration building, for approximately 400 university employees
- Conducted research for deploying new software and reorganizing network structure, with responsibility for reliability and security of deployed hardware and software
- Deployed new building-wide print server for Xerox printer/copier machines with SecureAccess functionality
- Assisted in deploying Persona Lock system and database, and programming electronic door lock system for entire new student housing complex providing over 1000 beds

PERSONAL PROJECTS

Drag & Drop Online Portfolio/Gallery Builder
- Frontend design with JQuery, CSS3, HTML5 Canvas
- Backend built with Node.JS, using Express
- MongoDB database for all non-binary data
- Image conversion into multiple sizes using ImageMagick, for bandwidth optimization
- Full support for signup, gallery buildling, publishing, drawing, etc.

Prototype for tablet focused menu/feedback web app
- Class project for graduate level Human Computer Interaction class
- Frontend design with CSS3, HTML5, Javascript
- YUI3 used for dynamically loading external content into view

Numerous small tools for using different APIs
- Twitter API tool to find followers who have tweeted certain keywords/hashtags in a specified timeframe
- Meteor Solutions API for finding social media conversions from a list of campaigns
- Facebook API integration for photography site, to pull existing photos from Facebook

EDUCATION

University of Washington
Graduate Level Courses in Computer Science & Applied Mathematics
2010 - 2012

University of California, San Diego
Bachelor's Degree, Mathematics
2007 - 2010