

Krists Auders
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OBJECTIVE

Systems architect and rapid prototype developer with a keen sense of usability and design, very comfortable working with marketing and business stakeholders, looking for highly challenging work taking concepts all the way to finished products.

SKILLS SUMMARY

Software Languages/Environments

- Frontend: JQuery, YUI 3, Javascript, HTML5, CSS3;
- Backend: Node.JS, Node.JS, Perl, Java/JSP;
- Database: MongoDB, Riak, MySQL, CouchDB;
- Scientific/Parallel: Matlab, FORTRAN with MPI, C/C++.

Operating Systems

- Linux/Unix: CentOS, Redhat Enterprise, Backtrack, Ubuntu, FreeBSD, Debian;
- Windows: Server 2008 R2, Server HPC, Hyper-V, Server 2012;
- Mac: OSX Server, OSX Mountain Lion and older.

Tools

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

Protocols

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

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.

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

Interactive Online Résumé

- Available at kristsaunders.com/resume
- Frontend design with JQuery, Twitter Bootstrap;
- Backend built with Node.JS, using Express, through an Nginx proxy;
- Résumé is stored as a JSON document, HTML and PDF versions are rendered programmatically;
- Texting and calling features use the ATT-JS Javascript plugin I wrote;
- API logic uses Restler, and e-mails sent using Nodemailer.

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 building, 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