

## Krists Auders

1818 E Madison St. Apt 414  
Seattle WA - 98122  
(858) 822-8604 (cell)  
kristsaunders@gmail.com

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## OBJECTIVE

*Systems engineer 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, Ruby, Perl, Java/JSP;
- Database: MongoDB, MongoLab, Riak, MySQL, CouchDB, Google Cloud Storage API, Amazon S3;
- Scientific/Parallel: Matlab, FORTRAN with MPI, C/C++.

### Tools

- Virtualization: OpenStack, AWS, VMWare Fusion, Hyper-V, VirtualBox, Proxmox VE, Parallels;
- PaaS: Micro Cloud Foundry, Google App Engine, Appfog, Stackato, Azure, Heroku, OpenShift;
- Web Hosting: Nginx, Apache, Tomcat, Sinatra, Jetty, BIND, Drupal;
- Server Administration: Jenkins, Webmin, Parallels Plesk, Apigee Key Manager;
- Networking: Wireshark, Nessus, tcpdump, netcat, curl, aircrack-ng suite, SoapUI;
- Monitoring: Graphite, Nagios, Apigee Control Center, Google Analytics, Browsermob, WebMetrics;
- IDE: Cloud9 IDE, XML Spy, Eclipse, Xcode, Aptana;
- Miscellaneous: Github, GitLab, Mercurial, Quality Centre, Visio.

### Protocols

- Web Services: RESTful, SOAP, ParlayX, OAuth, JSONP, CORS;
- Network: ARP/DHCP, DNS, BGP, TCP/IP;
- 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, develop and deploy a new set of tools for API design, documentation 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;
- Designed and supported multiple large usability studies of the API Platform and website, and worked to resolve all found issues;
- 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 prototype sample applications for developers in Java and Ruby;
- Managed further design and development of sample applications in other languages/platforms;
- 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 code 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;
- Worked with Marketing team on a large scale usability improvement project, including repeated usability testing and complete redesign of online documentation, application provisioning interface, and sign up 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](http://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