

## **Peter Hubner**

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### **SUMMARY**

Motivated, skilled, and experienced professional interested in creating and leading innovative solutions to difficult problems in a team environment.

### **TECHNICAL SKILLS**

**Software:** Amazon Web Services (EC2, RDS and ELB), Gearman Job Server, Jenkins CI, Elasticsearch, Github, Twilio SMS and Voice, LDAP (Sun One Directory Server and Openldap), Matlab, Microsoft Office, Rational Rose, Rational Clearcase, SNMP, WebSphere MQ, Google Maps/Earth API

**Operating Systems:** Linux (Ubuntu, RedHat, Fedora Core and Debian) and Mac OSX

**Skills & Expertise:** C/C++, Java, jQuery, Perl, Perl/Tk, PHP, HTML, CSS, SQL, XML, Ruby, KML, SHELL (sh/bash), Adobe Flash/Flex

**Databases:** MySQL, Oracle

**Development:** Maven, JUnit, Ant, GCC, xLC, clearmake, gmake/make

**Fun Stuff:** Vagrant, Chef, Wordpress

### **PROFESSIONAL EXPERIENCE**

*Katasi, LLC (May 2013 – Present)*

#### **Lead Software Engineer:**

Designing RESTful interfaces for receiving high throughput data from external sources into our cloud (Amazon Web Services) based decision engine. Ensure scalability to support tens of thousands of users across the country. Implementing Twilio SMS/Voice so that our customers can get easy access to their current state and/or override capabilities. Assisting the Director of Technology in milestone creation, project schedule, and architecture discussions. Ensure the team is on track to meet their assigned tasks for each milestone. Lead weekly development standup meetings to review tickets and work through issues if there are any that need full team input.

*Lockheed Martin (June 2010 – May 2013)*

*SBIRS (Space Based Infrared Systems) High, Ground Segment*

#### **Software Engineer Staff:**

Served as Technical Lead for two groups, overseeing the design, development and deployment of the software infrastructure for SBIRS Ground, as well as the IPC service software layer. This includes a complete overhaul of the existing IPC software with IBM WebSphere MQ on a highly distributed system. Guide and provide professional feedback for all software reviews as well as verify the test results of the team's work. Effort includes porting the entire service base from Solaris to RedHat Enterprise Linux, plus transitioning to the GCC compiler.

*NDP, LLC (May 2010 – December 2010)*

**Software Contractor:**

Designed, implemented and executed an Adobe Flash interface which captured questions from the user and transmitted the audio data to a back end server for natural language processing.

*Lockheed Martin (February 2007 – June 2010)*

*SBIRS (Space Based Infrared Systems) High, Ground Segment*

**Software Engineer:**

Participated in the design, development and deployment of the software infrastructure for SBIRS Ground on a distributed system of 300+ machines worldwide. The infrastructure included the software to initialize and configure the ground system upon boot-up; the deployment, initialization and configuration of the IPC subsystems; and the software to shutdown the ground software. This role also encompassed the design and development of a system wide, centralized configuration directory implemented using LDAP. Additional roles included development of tools and GUIs to configure and monitor the ground software with SNMP and to facilitate system/software integration and testing. Furthermore, the function included debugging core executables written in C/C++, pinpointing the issues and creating solutions to meet program deadlines. Oversaw the creation and running of phase specific tests documentation to achieve mission milestones. Oversaw build coordination and configuration management on four software spirals pertaining to our group's software baseline, worked closely with the packaging and managing of thousands of files pre-and-post build, as well as verifying the contents of the software group's packaging.

*Lockheed Martin (February 2005 – February 2007)*

**Network Engineer:**

Provided specific detailed information for hardware and software selection, implementation techniques, and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Conducted testing of network design. Maintained technical expertise in all areas of network and computer hardware and software interconnection and interfacing such as routers, multiplexers, firewalls, hubs, bridges, gateways, etc. Evaluated and reported on new communications technologies to enhance the capabilities of the network. Interfaced with external system management groups in order to keep documentation current for online users and training purposes. Trained new hires in a one-on-one, on the job training environment. Upgraded software to keep up with hardware/system upgrades. Led certain group tasks to improve the team's ability to keep an error free work environment. Contributed to the completion of milestones associated with specific projects.

*Southwestern University (May 2003 – December 2004)*

**Assistant System/Network Administrator:**

Assisted the Senior Systems & Network Administrator with the day-to-day management of core network and system devices. Utilized open source and COTS tools to monitor and analyze network and system services. Installed UNIX server platforms as well as installed core network services (LDAP, FTP, HTTP/S, POP, IMAP, SQL). Configured data warehouse infrastructures (RAID, NetApp). Managed Cisco IOS on Catalyst switches, Enterprise routers, and PIX firewalls. Wrote several network management utilities in various languages.

**EDUCATION**

B.A. Computer Science (December 2004)

Southwestern University – Georgetown, Texas

**SECURITY CLEARANCE**

DOD Security Clearance