

Web Developer / Software Engineer

## ■ Profile

Driven professional with broad skillset and experience. Excellent communicator that has worked within development teams, with clients and individually on a vast array of projects. Known for ability to multi-task and to juggle multiple projects simultaneously, meeting all deadlines. Thrives in environments that embrace new technologies and is a quick study.

## ■ Technical Skills

### **Web Server Technologies:**

Apache, Nginx, lighttpd

### **Server-Side Scripting:**

Php, Django, Node.js

### **Template Engines and CSS Preprocessors:**

Twig, Mustache, Sass, Compass

### **Frontend Technologies:**

Jquery, Jquery Mobile, AngularJS, React (minimal), HTML5

### **Languages:**

C, C++, Python, Java, BASH (minimal)

### **Database/DBMS:**

MySQL, PostgreSQL, phpMyAdmin, MongoDB

### **Cloud Technologies:**

Heroku, Amazon Web Services (AWS)

### **Content Management Systems / Frameworks**

Wordpress, Yii2, Zend, Joomla, Django, CodeIgniter (minimal)

### **Web APIs:**

Facebook, Twitter, GMap, Paypal, Paymentech, Authorize.Net, USPS, UPS, Livestream, Mandrill/MailChimp and many other third party APIs.

### **Methodologies:**

Object Oriented, MVC, Agile

### **Operating Systems:**

Linux Ubuntu, CentOS, OpenSuse and Windows2000/NT/Vista/7/10

### **Marketing:**

SEO using Google Analytics, Google Webmaster, Adwords, Facebook, Twitter.

### **Tools:**

Eclipse, Subversion, Git, Slack, Assembla, CPanel, GIMP, Wireshark, ffmpeg

## ■ Professional History

### **Independent Contracting**

#### **Web Developer / Systems Administration**

**Sep 2016 - Present, May 2008 - Nov 2015**

Worked with multiple clients and design houses on various projects including custom reporting and scheduling systems, multiple ecommerce websites and .psd to HTML on Wordpress.

Skill set includes Linux, php, Wordpress, Pinnacle Cart, OpenCart, Magento, HTML, CSS, javascript/Jquery, Adobe Photoshop, CPanel on multiple hosting services, and DNS.

**Wide Open Technologies****Full Stack Developer****Nov 2015 - Aug 2016**

Worked on multiple client projects including a health related scheduling system and an enterprise system for a 60+ franchise provider of mobility and accessibility products.

Skill set includes Linux, php, Yii2, git and many other modern developer and collaborative tools.

**America's Auction Network Television****Web Developer / Systems Administration****May 2008 - Present**

Fully designed and currently maintain <http://www.aantv.com>, <http://m.aantv.com> (mobile) and several internal scripts used within their enterprise system. These scripts include video capture, surveillance and archiving, data entry, web scraping, 3rd party integration and many others.

Skill set used at this employer include Linux, php, mysql, Python, live streaming video, HTML, CSS, javascript/Jquery, AJAX, ffmpeg, and many third party APIs.

**ringTRUE.net****Vice President Web Development****March 2009 - Late 2010**

Fully designed and implemented <http://ringtrue.net> (defunct). RingTRUE is a virtual hosted PBX system for small businesses and individuals. The main user interface is a dynamic web application that allows the user to update phone and routing information, create text to speech and listen to voice mail and call recordings, all in a convenient single page interface. Current projects include integrating ringTRUE technologies into the PalmPre and iPhone.

Skill set used at this employer include Linux, php, mysql, CSS, javascript/Jquery, AJAX, text to speech engines (Swift, Festival), various audio conversion applications and the PalmPre SDK.

RingTRUE is out of business, but the technology is still being used as a marketing tool for America's Auction Network

**Mozilla Foundation****Software Engineer****May 2007 - March 2008**

Worked in conjunction with the Mozilla accessibility team to integrate ARIA (Assistive Rich Internet Applications) support into Firefox and the Orca screen reader. My duties included all ARIA related Python scripting within Orca, Python based performance and regression testing and wiki markup documentation for Orca. In addition, I supported the Mozilla team by doing extensive testing of Firefox3.0 and submitted numerous ARIA related bug reports. See the Mozilla ARIA Developer's page, as well as the Orca Live Region Support and the Orca ARIA Widget Support user pages for more information.

Did some minor work on the AT-SPI Collection Interface and later utilized the Collection Interface in Orca for performance enhancements. See Orca Collection Interface Integration.

Continued work on the Linux Screen Reader Project (LSR) as described in the Computer Technology Group work experience.

## **Computer Technology Group**

### **Software Engineer**

**November 2006 - April 2007**

Contract employment with the accessibility team at IBM working on LSR; an open source screen reader for the GNOME desktop written in Python.

- Co-designed and implemented a Braille display output module for LSR written in Python.
- Co-designed and implemented a Firefox module for LSR written in Python, which provides Firefox specific screen reader capabilities.

## **BASH Automation LLC, Clearwater, Florida**

### **CEO / Lead Engineer**

**November 2005 - September 2007**

- Controlled all aspects of business development.
- Completely designed and installed an Enterprise wide web-based PLC (Programmable Logic Controller) Automation system written in Python; complete with local and system level real time alarms (audio and graphical), historical alarms, trending and an HMI (Human Machine Interface) development package.
- Designed and marketed a revolutionary HMI development package written in Python and Javascript that utilizes SVG, AJAX, Firefox, Javascript, OpenOffice and several other open source technologies.

## **L-3 Communications, Saint Petersburg, Florida**

### **Systems Engineer**

**December 2004 - February 2006**

- Contributed to the design of a generic image data object to be used throughout L-3's family of security systems.
- Contributed to the maintenance of a Baggage Viewing Station; a C++/Motif based GUI. This included extensive image enhancements to both 2-D and 3-D images, integration of the new image data structure, and a significant number of minor enhancements and bug fixes.
- Fully designed a C++/QT based system installation GUI used by field technicians to install and configure the Examiner System. This package included many Linux system administration tasks and demonstrated proper GUI design.
- Fully designed an RPM based development package used by the Algorithm Development team as a template for future explosive detection algorithms.
- Performed extensive testing and debugging within L-3's baggage handling laboratory.
- Supported field personnel with testing, troubleshooting, and debugging.



## Education

### **University of South Florida, Tampa, Florida**

Master of Science in Computer Science, May 2003.

Bachelor of Science in Biology, May 1997.

### **University of Texas, Austin, Texas**

Master of Science in Microbiology, August 1999.