

## **Objective**

I am a software engineer driven by curiosity looking to use my expertise in technology & design to create a long-lasting impression on the people I meet, and an organization I have the opportunity to work with. I have skills in problem solving, software development, troubleshooting & debugging. I thrive in collaborative settings.

## **Employment History**

### **Software Engineer**

**April 2017 – Present**

*ViaTouch Media, San Diego, CA*

- Worked directly under the Director of Software Development in a fast-paced start-up environment that allowed me to wear many hats and experience new opportunities.
- Created, monitored, and deployed servers, storage buckets, and databases on AWS EC2, S3 and RDS instances.
- Implemented multiple front-end software updates for ~3,800 RugDoctor (RD) Walmart kiosks running Windows. Updates allowed for download and placement of text, prices, images & videos of products on interface from RD WS.
- Deployed patches to hundreds of RD kiosks per week, met aggressive deadlines in order to maintain good relationship with RD and Walmart. Always kept good communication with RD kiosk team.
- Developed User Acceptance Tests, executed and documented testing in an orderly and easy to understand fashion.
- Familiar with Linux TTY communication such as creating/loading udev rules and monitoring them.
- Rebuilt front-end GUI using HTML5 and AngularJS for retail machine (VICKI). GUI is currently deployed in the field.
- Modified legacy JavaScript libraries (AngularJS/Node) to work with VICKI. Code is currently deployed in the field.
- Modified, maintained and created SQL databases to store details required for transactions, products, pricing, etc.
- Used open source libraries (i.e. Bleno) to interface with Linux BLE peripherals, establishing communication between iOS/Android application and server.
- Performed networking tasks like setting static IP addresses, analyzing traffic on WireShark and designing topographies.
- Designed and deployed various Linux services utilizing init.d and Supervisor process control system on Linux.
- Designed protocol running off of RabbitMQ on AMQP to communicate with devices in the same subnet in order to execute commands on one device, report back and work seamlessly as one.
- Interfaced with various Artificial Intelligence REST APIs (IBM Watson, Google Cloud, Amazon Polly) using Node and Python to create an intelligent assistant. Made modifications to existing APIs to tailor to our use case.
- Exposed to and in the process of learning .NET Core framework in C#/C++ to connect and communicate with peripherals (i.e. biometrics scanners, payment readers, IOT hardware) with focus on cross-platform execution.

### **Software Development Engineer Intern**

**January 2017 – April 2017**

*Accelerated Retail Technologies, Corona, CA*

- Provided technical support, troubleshooted network and software issues on touch screen vending machines.
- Flashed new micro SD cards and HDDs to provide to customers facing issues with software.

### **UCR Student Recreation Center**

**January 2014 – January 2017**

*Media Development Supervisor & Graphic Designer, Riverside, CA*

## **Skills**

### *Technical Skills*

- Highly skilled in various Linux environments (i.e. Debian, Ubuntu, Jessie, CentOS) and Bash Unix shell.
- Familiarity with development on single-board computers such as the Raspberry Pi family line and ASUS Tinkerboard.
- Experienced in Python, JavaScript, HTML, SQL, C++, & can adapt to a number of languages easily.
- Skilled with JavaScript language, AngularJS framework & Node run-time environment and their respective libraries.
- Understanding of version control such as Git and AWS Code Commit.
- Familiar with bug-tracking software such as Bugzilla, and collaboration software like Slack, Jira and BaseCamp.
- Familiar with Human-Computer Interaction, wireframing & UI/UX design.
- Experience with installing computer hardware such as HDDs, SSDs, RAM & other peripherals.

### *Other Skills*

- Eye for aesthetics & great graphic design skills
- Passionate about working in a fast-paced/start-up environment
- Mastery in all Adobe Creative Suite Software & wireframing software, Sketch
- Experience with employee assessments, & training development
- Management & supervision of a professional team

## **Education**

BS, Computer Science with Business Applications, University of California, Riverside.  
December 2017