Brandon Blaylock

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WORK EXPERIENCE

Shoutpoint
Software Engineer   *May 2017 – Present*

Frontend and middleware software engineer. I work primarily with **AngularJS**, **Angular**, **Typescript**, **Ngrx**, **Nodejs**, **Express**, **rxjs**, and a large collection of open source libraries. I also collaborated with the IT team towards implementing **containerization** and starting a migration to **Kubernetes**. I established Angular standard practices including **reactive forms design**, **component encapsulation**, **templatization**, and **project architecture**.

Keyboard Cowboys
Consultant / Software Engineer   *Oct 2006 - Present*

I operate a local consulting firm for small and medium sized businesses. Services provided cover **software engineering**, **systems administration**, **custom application development**, **break fix**, and **web development**.

Shoutpoint
Systems Administrator   *Sept 2013 – Dec 2015*

Designed and maintained critical infrastructure components such as physical networks and servers. Developed internal IT tooling in **Bash** and **Node.js** to automate a custom **Xen** virtual machine build system. Used **Ansible**, **Ansible Playbooks**, and **Custom Ansible Modules** to coordinate physical resources, networking resources, vm creation, and bootstrapping internal applications. Developed tooling that managed and updated internal **yum** and **apt** repositories and deployment of Puppet manifests. Designed **Puppet** modules to handle dynamically building internal **DNS** and **NTP** servers.

GoDaddy.com
Data Center Engineer   *Aug 2007 – Aug 2010*

Was responsible for the build out and maintenance of **enterprise level data centers** across a private MAN in the Phoenix metropolitan area. **Trained** junior technicians to use proprietary software, manage hardware, and understand company workflow. **Headed critical deployments** for front of site and infrastructure upgrades for the data center team. Acted as the **final tier of customer support** for dedicated and virtual machine customers. Compiled and edited all internal documentation created by the datacenter team. Created and maintained the data center team **knowledge base**.

Magenta Computer
Technician   *Aug 2001 – Aug 2004*

Was responsible for **parts inventory**, custom desktop and **server manufacturing**, hardware and software **troubleshooting**, and **data recovery**. Cut my teeth here on everything from Intel's 486DX2 to the first Xeons and beyond.

SUMMARY

I am an experienced full stack software engineer currently working in Angular and Ngrx heaven. Additionally, I have direct experience with the design and implementation of build system workflow, re-engineering encumbered systems, and performance analysis. I am operating system and build chain agnostic, but I have a soft spot for SmartOS and OS X. My background in theoretical mathematics lends itself handily to general problem solving, rigorous analysis, and implementation nuances. I'm a strong proponent of the idea that systems and systems software can and should be provably correct.

SOFTWARE SKILLS

EXCELLENT	Angular(1 and 2), Ngrx, Reactive Programming, SmartOS, Linux, Unix, Windows, Node.js, DNS, Puppet, TFTP, DHCP, Nginx, Xen, KVM, Ipfilter, Ansible, ZFS, Bash, OS X
INTERMEDIATE	Python, FreeBSD, MySQL, dtrace, Redis, Apache, LaTeX, TeX
BASIC	Photoshop, SolidWorks

HARDWARE SKILLS

EXCELLENT	Dell x86 Servers, Serial Connection Pinouts, Apple Hardware, Data Center Design, Fiber and Copper cabling, Teensy 2.0, Beaglebone Black
INTERMEDIATE	CHIP, Teensy 3.2

PUBLIC PROJECTS

rx-from-events
github.com/nullpub/rx-from-events   *August 2017*

A fairly intelligent EventEmitter wrapper that returns a cancellable Observable. Useful for wrapping multi-event nodejs streams of any version.

redilex
github.com/baetheus/redilex   *December 2016*

A naive ORM for redis that enables easy management of similar hashes as well as lexicographical searching.

shoutapi
github.com/baetheus/shoutapi   *December 2015*

An api client library and event handler written in nodejs for the Shoutpoint developer api.

EDUCATION

Bachelors of Science in Mathematics
University of California, Irvine   *2014 - 2017*

Currently on break from a Bachelors program with 22 units of non-major coursework remaining. My focus is in pure math with particular attention paid to Abstract Algebra and Galois Theory.

Last updated November 8, 2017.