

# Brandon Blaylock

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## WORK EXPERIENCE

### Lodasoft

Senior Software Engineer

July 2018 - Present

Designed and built highly dynamic production web portals for loan agents and borrowers to manage document submission and validation. Designed and built a generalized task tree builder and runner in **Angular**. Implemented **batched logging** from the front end, a front end **monorepo**, and **application documentation**.

### Loan Depot

Senior Software Engineer

January 2018 - July 2018

Built the highest traffic customer portal application in **Angular** along with two other production applications. Documented and implemented **best practices** for front end engineering to enable better **code sharing**, **small compilation** bundles, and **robust coding standards**.

### Shoutpoint

Software Engineer

May 2017 - Dec 2017

Frontend and middleware software engineer. Built applications in **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**, **templating**, and **project architecture**.

### Keyboard Cowboys

Consultant / Software Engineer

Oct 2006 - Dec 2017

Offered consulting services covering **software engineering**, **systems administration**, **custom application development**, **break fix**, and **web development**.

### Shoutpoint

Systems Administrator

Sept 2013 - Dec 2015

Designed and maintained infrastructure. Developed internal IT tooling (**Bash**, **Node.js**, **Xen** automation). Used **Ansible**, **Ansible Playbooks**, and **Custom Ansible Modules** to deploy vms and internal applications. Built tooling to manage **yum** and **apt** repositories and deployment of Puppet manifests. Worked heavily with **Puppet**, specifically to manage **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**. **Trained** junior technicians. **Headed critical deployments** for the data center team. Acted as the **final tier of customer support**. Created and maintained the data center team **knowledge base**.

## SUMMARY

I am an experienced full stack software engineer primarily working with **Angular**, **React**, and **Node.js**. 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, Angularjs, NgRx, React, Redux Reactive Programming, SmartOS, Linux, Unix, Windows, Node.js, DNS, Puppet, TFTP, DHCP, Nginx, Xen, KVM, Iptables, Ansible, ZFS, Bash, OS X
INTERMEDIATE	Python, FreeBSD, MySQL, dtrace, Redis, Apache, L <sup>A</sup> T <sub>E</sub> X, T <sub>E</sub> X
BASIC	Photoshop, SolidWorks, Rust

## 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

### github

[github.com/baetheus](https://github.com/baetheus)

Recent

I generally have some new project that I land on my github. Lately I've been playing with an implementation of redux using **redux** or **rxjs** streams/observables.

### rx-from-events

[github.com/nullpub/rx-from-events](https://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](https://github.com/baetheus/redilex)

December 2016

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

## EDUCATION

### Bachelors of Science in Mathematics

University of California, Irvine

2014 - 2017

*Incomplete* My focus is in pure math with particular attention paid to Abstract Algebra and Galois Theory.