

Brandon Blaylock

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WORK EXPERIENCE

Keyboard Cowboys

Consultant / Software Engineer *Oct 2006 - Present*

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

Ntersol

Senior Frontend Engineer *July 2019 - December 2019*

Implemented **functional programming** paradigms in **Angular**. Defined and implemented standard practices for **api integration**, **ui structure**, and **semantic component design**. Created code generators for **api validation**, **error handling**, **logging**, and **caching** in frontend applications.

Lodasoft

Senior Software Engineer *July 2018 - July 2019*

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** practices.

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**.

Voxology

Software Engineer *May 2017 - Dec 2017*

Frontend and middleware software engineer. Built applications using **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**.

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.

SUMMARY

I am an experienced full stack software engineer primarily working with **Angular**, **React**, and **Node.js**. I'm excited about working fast, correctly, and sharing knowledge. My background in mathematics lends itself handily to general problem solving, rigorous analysis, and implementation nuances. I can wear many hats but thrive in environments with an organized hat closet.

SOFTWARE SKILLS

EXCELLENT	Javascript, TypeScript, Bash, Wasm, Node.js, \LaTeX , Angular (vers 2 - 9), Angularjs, Ngrx, React, Redux, SmartOS, Linux, Windows, OS X
INTERMEDIATE	Python, Go, Rust, FreeBSD, MySQL, dtrace, Redis, Apache, \LaTeX , \TeX
BASIC	Photoshop, SolidWorks

HARDWARE SKILLS

EXCELLENT	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

@nll/dux

github.com/nullpub/dux *Recent*

A smaller, well-tested, and easier to use implementation of the flux pattern based on rxjs.

@nll/datum

github.com/nullpub/datum *Recent*

An abstract data type in the style of fp-ts. It represents the Option (or Maybe) type with the added cross product of a pending state.

@nll/api-codegen-ts

github.com/nullpub/api-codegen-ts *Recent*

A minimal config code generation library. While generalized it currently only parses swagger or openapi specs into typescript types, controllers, and state management tools.

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.