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Employment

CompStak, Inc - Front End Engineer - September 2014 - current

CompStak has a crowdsourced database of hundreds of thousands of commercial leases. I created their flagship app, embeddable widgets for third parties, landing pages, all the build and deploy tools for the front end, and more. One of my proudest tech achievements here is migrating the apps from Backbone and RequireJS to React/Redux gradually, painlessly, and without missing any deadlines.

I started a Friday afternoon "beer meeting" where we all get together and watch a technology talk, do show and tell, or I give lectures when we have new junior developers. This has helped us adopt new technologies with less pain, especially the Backbone/React transition.

I created a weekly award inspired by Rich Hickey's famous talk, *Simple Made Easy*. The "Decomplector" award goes to the person who removes the most unnecessary complexity from our code base each week. A script goes through all merges to master the previous week and chooses the winner. The script can be found on my GitHub, but beware, it predates async/await.

Onswipe - Front End Developer - February 2014 - September 2014

In my short tenure here I rewrote their next generation mobile reading app. The animations went from janky to smooth, even on low power devices. Crashing stopped, and the time to interactive went down significantly. Unfortunately, this company's financial issues started long before I arrived.

MLB Advanced Media - UI Engineer - April 2012 - February 2014

MLB had a fun culture when I arrived but the technology was outdated. I moved the team off of a proprietary module system, added package management, started the migration to git from CVS, and moved deployments from a haphazard file-by-file system to Jenkins with atomic deployments. I rewrote the front page of [MLB.com](MLB.com), created a standardized system for loading game data, and steered the culture away from last minute fixes and toward code reuse, QA, and unit testing.

Barnes & Noble.com - Applications Developer - April 2010 - April 2012

I created the front end for NOOK Study and NOOK for Mac. The app was a WebKit shell using a Flash-like plugin to display the DRM protected contents of the book.

github.com/stutrek

ScrollMonitor - A JavaScript library that triggers events when elements enter or leave the viewport. It is capable of watching over a million elements while maintaining 60 fps. It has over 2,600 GitHub stars and many dependent packages on npm.

I have dozens of other repos for visual effects, sending data between open tabs, framework migration tools, responsive image tools, dev tools, hobby projects, and more.

Languages etc.

JavaScript, Node.js, React, Redux, Webpack, Mocha, HTML5, CSS3

Education - 2005 Syracuse University, Bachelors of Industrial & Interaction Design