

## About Me

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I began my software career as a teenager making games in RPG Maker 2003 and fiddling with PHP forum code, and creating simple HTML websites from scratch.

Since then I've worked in web development for multiple industries and owned numerous applications. I've had the opportunity to leave every platform in a better state than when I found it.

I absolutely love creating user experiences, and find the optimization and improvement of existing systems absolutely captivating. I thrive in an environment where the stakeholders and users are aligned and we can create streamlined interfaces that solve real problems for real people.

## Primary Skills

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- HTML, JS, CSS
  - React (and other web frameworks)
  - Tailwind CSS (and css in general)
  - node / bun / npm / pnpm / yarn
  - Typescript
  - Various browser technology
- Full-Stack development
  - API design
  - General cloud design (AWS experience)
  - SQL and No-SQL databases (sqlite, postgres, mongo, dynamoDB)
  - Event-driven architecture
  - Async design patterns
- UI Design / Development
  - Accessibility
  - Responsive design
  - Interactivity
  - Component/Theme systems

I experiment frequently with emerging web technology, please start a conversation if you work with something that's not on this list!

## Experience

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### Lead Software Engineer - First Advantage (Formerly Sterling)

Feb 2021 - Present

Domain: Background Checks

Stack: React, Node, C#, AWS

- Led team responsible for maintenance and feature development of the Candidate platform, mentoring and guiding both onshore and offshore developers
- Owned 15+ applications deployed weekly with contributions from 5+ teams
- Designed and implemented key features for Candidate Platform:
  - Blue-green deployment strategy and pipeline, resulting in multiple years of successful weekly deployments with production-staged test-ability
  - Implemented third-party SSO connections (new to the platform) with identity verification partners
  - Designed and implemented generic SSO solution for client partners and multiple credentials in one authentication session, including full rewrite of auth application as a new standalone UI
  - Designed and implemented connector service to communicate cross-platform following major company merger, enabling products from one platform to be sold on the other
- Oversaw full WCAG implementation through offshore team
- Implemented numerous critical software architecture upgrades on legacy apps (webpack, react, testing libraries, dependency security alerts)

### Senior Software Engineer - KyotoCooling

June 2019 - Feb 2021

Domain: Data Center Cooling

Stack: Vue, Kotlin, AWS, Postgres

- Supported and developed new features for the main software platform using Vue, Typescript and SCSS, focusing on improving performance and implementing high-value feature requests.
- Redeveloped timeseries data views, improving performance of charts dramatically and offering new controls to let users create shareable views.
- Led the design and development of a new Field Service domain within the existing software platform, serving and managing tickets, assets and related data/workflows.
- Migrated front-end build pipeline from Jenkins to Buddy, eliminating VM management and improving build reporting.

## **Software Engineer - Dynata (Formerly Research Now - SSI)**

Sep 2017 - June 2019

Domain: Market Research

Stack: Angular 1.6, React, Scala, Postgres, AWS

- Architected and developed new CMS and static website infrastructure using React, NodeJS and AWS services, working toward consolidation of all member websites on one platform
- Developed data migration tool in NodeJS to export existing website content from old management system, convert it to the new data model and import into the new management system in AWS
- Supported Angular 1.5 apps, both internal tools and client/partner websites, improving performance of applications and redesigning UX to reduce data load and sluggishness

## **Software Engineer I & II - Austin Lane Technologies**

Aug 2012 - Sep 2017

Domain: Construction / Oil & Gas - Payroll, Production & Time Tracking

Stack: Javascript, C#, T-SQL, IIS

- Redesigned and implemented new version of offline web application utilizing Javascript (ES5), HTML and CSS, resulting in a 90% rate of client upgrades to new versions
- Directly supported website and application clients, implementing permanent solutions within software, drastically reducing support volume from web applications
- Developed biometric face tracking software for desktop and android

## **Web Developer Intern - Austin Lane Technologies**

June 2011 - Aug 2012

Domain: Small Business Websites

Stack: Joomla CMS, PHP, HTML, CSS

- Designed and proposed multiple websites to local small businesses
- Implemented, updated and maintained 10+ websites in Joomla, with custom designs

## **Education**

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University of North Texas

Studied Music Performance & Computer Science

2007 - 2014