Alec **Lavoie**

✉ alavoie3@gmail.com | ⚲ Boston, MA | ⧉ github.com/alavkx

Projects

Flow Builder Chrome Extension   *React, Webpack, testing-library*
NO CODE TOOL USED BY OVER 10,000 PRODUCT AND MARKETING PROFESSIONALS TO INCREASE USER ENGAGMENT   *appcues.com/flow-builder*

Database Migration API   *Node.js, Typescript, OpenAPI*
SHIM API THAT PERFORMED DUAL WRITES AND READS TO ENSURE A SMOOTH DATA MIGRATION FROM FIREBASE TO
POSTGRES   *Not public*

Product release/re-stock notification system   *Elixir, Phoenix, PostgreSQL*
TRACK AND STORE UPCOMING PRODUCT RELEASES AND NOTIFY SUBSCRIBERS VIA DISCORD INTEGRATION   *github.com/alavkx/drip-drop*

Self-service Surety   *Gatsby, Contentful, GraphQL*
E-COMMERCE STOREFRONT TO BROWSE SURETY BOND PRODUCT CATALOG   *selfservicesurety.com*

Surety Bond Checkout   *React, Webpack, Cypress*
E-COMMERCE SURETY BOND CHECKOUT EXPERIENCE   *bit.ly/2VLPbYj*

Parallel Coordinate Chart   *d3.js, TypeScript, webpack*
REUSABLE SOLUTION TO VISUALIZE THE RELATIONSHIPS BETWEEN MULTI-DIMENSIONAL DATASETS   *parallel-coordinate.netlify.com*

Work Experience

Appcues   *Boston, MA*
SOFTWARE ENGINEER   *July 2019 – April 2020*
- Increased engineer productivity and work quality by tightening the devlopment feedback loop with modern ops and testing tools
- Facilitated communication and doc/code automation by utilizing language agnostic OpenAPI spec during database migration
- Ensured seamless database migration by creating a shim API that dual writes and reads from multiple targets that improved application boot time and product reliability
- Championed learning culture by mentoring a Junior Engineer and promoting learning resources and workshops
- Resolved customer issues by collaborating with and mentoring support engineers

General Indemnity Group   *Boston, MA*
SOFTWARE ENGINEER   *May 2018 – July 2019*
- Showcased bond product catalog by creating a mobile-first, SEO-friendly static e-commerce storefront
- Multiplied user success and conversions by creating and refining a feature-rich (progress-saving, re-marketing, accessible) checkout experience with UX iterations based on analytics funnel
- Reduced operation cost by 40% and increased scalability of content creation and management by designing a headless CMS schema and integrating e-commerce site with GUI admin portal
- Collaborated with acting CTO and VP in order to identify and design high impact low cost solutions

AspenTech   *Bedford, MA*
SOFTWARE DEVELOPER   *Nov 2016 – Apr 2018*
- Improved perceived performance by identifying and resolving blocking or expensive actions in canvas flowchart
- Designed and realized multi-dimensional data insight tool commonly known as a parallel coordinate chart
- Collaborated effectively across a distributed team located in Bedord, Houston, and Shanghai

Personal Learning

Oct 2019	**ReasonML Conference**, Javascript/React future discussion and workshops	*ReasonConf*
Sep 2019	**Web Development with ReasonML**, ReasonML language introduction	*J. David Eisenberg*
Apr 2019	**React Hooks Workshop**, hands on advanced React patterns using Hooks	*React Training*
Feb 2019	**Javascript Testing - Pro Testing**, bleeding edge testing best practices (feat. Jest and Cypress)	*Kent C. Dodds*
Aug 2016	**Mostly Adequate Guide (to FP)**, foundational functional programming concepts taught using JS	*Brian Lonsdorf*
Jun 2016	**You Don't Know JS**, JavaScript fundamentals deep dive	*Kyle Simpson*

Formal Education

University of Massachusetts Dartmouth *Dartmouth, MA*
BSc. in Computer Science *Sept 2012 – Jun 2016*