

Alec Lavoie

✉ alavoie3+jobs@gmail.com | 📍 Boston, MA | 🌐 github.com/alavkx

Projects

Flow Builder Chrome Extension

NO CODE TOOL USED BY OVER 10,000 PRODUCT AND MARKETING PROFESSIONALS TO INCREASE USER ENGAGEMENT

React, Webpack, testing-library
appcues.com/flow-builder

Database Migration API

SHIM API THAT PERFORMS DUAL WRITES/READS TO ENSURE A SMOOTH MIGRATION FROM FIREBASE TO POSTGRES

Node.js, Typescript, OpenAPI
Not public

Product release/re-stock notification system

TRACK AND STORE UPCOMING PRODUCT RELEASES AND NOTIFY SUBSCRIBERS VIA DISCORD INTEGRATION

Elixir, Phoenix, PostgreSQL
github.com/alavkx/drip-drop

Self-service Surety

E-COMMERCE STOREFRONT TO BROWSE SURETY BOND PRODUCT CATALOG

Gatsby, Contentful, GraphQL
selfservicesurety.com

Surety Bond Checkout

E-COMMERCE SURETY BOND CHECKOUT EXPERIENCE

React, Webpack, Cypress
bit.ly/2VLPbYj

Parallel Coordinate Chart

REUSABLE SOLUTION TO VISUALIZE THE RELATIONSHIPS BETWEEN MULTI-DIMENSIONAL DATASETS

d3.js, TypeScript, webpack
parallel-coordinate.netlify.com

Work Experience

Appcues

Boston, MA

SOFTWARE ENGINEER

July 2019 – April 2020

- Increased engineer productivity and work quality by tightening the development 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 Bedford, 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