

Alec Lavoie

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I want to build something remarkable—alongside people who are just as enthusiastic as I am about quality. A team who settles only to outstand. If you are looking for a Full-Stack Engineer driven to create real value, please reach out.

Experience

Revision Labs

Boston, MA

FOUNDER • REVISION, CINEGIST, WIKIWIZARD

Jan 2022 – Current

- Deployed Custom GPT Agent tuned to answer deep questions about a game using the game's wiki-site
- Engineered immersion language learning tool to create rich interactive subtitle experience by ingesting a subtitle file and outputting structured annotations, projected on target media
- Created game library and video player with annotation feature, enabling players to review their games immediately after playing
- Automated screen capture to ease file management

Dispense

Remote

SENIOR SOFTWARE ENGINEER • E-COMMERCE STOREFRONT BUILDER

July 2022 – Feb 2023

- Engineered a customizable discount and promotion workflow, empowering customers to dynamically manage their product catalog
- Orchestrated secure key and secret management, utilizing a fingerprint-based CLI tool for distribution
- Implemented an incident data collection pipeline, providing insights for prioritizing architectural overhauls
- Conducted an in-depth audit of data integrity using schema introspection tools, and architected a forward-looking reconciliation strategy in order to prevent address degrading NoSQL data health

Indigo Agriculture

Remote

FRONT-END SOFTWARE ENGINEER • TRANSPORT MANAGEMENT SYSTEM

July 2020 – Jan 2022

- Unveiled fully featured multi-sided logistics marketplace for agriculture product transportation
- Documented and resolved page-by-page application lighthouse warnings, critical workflow frame jank, gql cache misses, and slashed dependency graph bloat by 60%
- Deployed real-time performance monitoring solutions, enabling live web vitals tracking and automated regression alerts

Appcues

Boston, MA

SOFTWARE ENGINEER • FLOW BUILDER CHROME EXTENSION

July 2019 – April 2020

- Orchestrated a seamless migration from Firebase to PostgreSQL through a dual-read-write shim API, significantly boosting application boot time and reliability
- Enhanced engineering efficiency and code quality by streamlining the feedback loop, addressing toolchain bottlenecks through modern ops and testing methodologies

General Indemnity Group

Boston, MA

SOFTWARE ENGINEER • SELF-SERVICE SURETY

May 2018 – July 2019

- Unveiled a mobile-optimized, high-performance e-commerce storefront to feature a comprehensive bond product catalog
- Amplified user engagement and conversion rates by crafting an analytics-driven, feature-rich checkout experience with progress-saving, re-marketing, and accessibility in mind
- Slashed operational costs by 40% and bolstered content scalability through the design and integration of a headless CMS and a GUI admin portal for the e-commerce site

AspenTech

Bedford, MA

SOFTWARE DEVELOPER • UNIVERSAL PROCESS INDUSTRY MANAGEMENT SYSTEM

Nov 2016 – Apr 2018

- Engineered and deployed a reusable, n-dimensional interactive parallel coordinate chart, enhancing data visualization capabilities for customers exploring relationships in oil properties
- Optimized canvas rendering performance by profiling bottlenecks and implementing targeted optimizations

Skills

Typescript, React.js, Node.js, Next.js, Remix.js, Electron, MySQL, PostgreSQL, MongoDB, GraphQL, Apollo, REST, Cypress, testing-library, Jest, Mocha, HTML, CSS, Javascript, Figma, Accessibility, WAI-ARIA, tailwind, XState, Statecharts, Redux, Canvas, Webpack, CI/CD, Chrome Extensions, Rescript, ReasonML, Elixir, NLP, OpenAI, Machine Learning

Education

Jan 2024 **Machine Learning: Regression and Classification**, DeepLearning.AI, Stanford University

Remote

Jun 2016 **BSc. Computer Science**, University of Massachusetts Dartmouth

Dartmouth, MA