

Alex Buchanan

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SKILLS

7 years of front-end development with an emphasis on React, Typescript, and Redux. Knack for swiftly producing readable, type-safe code that prioritizes accessibility and intuitive user interfaces.

PROFILE

Frameworks: React, Angular 2+, Angular, Gatsby

Testing: React Testing Library, Cypress, Jest, Enzyme

State Management: Redux (RTKQ), GraphQL, MobX, RxJS

Infrastructure: Netlify, Heroku, AWS Console, Docker, Nginx

Web Development: HTML5, CSS3, Performance, Accessibility (A11Y)

Work Examples: meerkat.watch, saltlending.com, borrower.saltlending.com

WORK EXPERIENCE

Twilio - Flex

Denver, CO

Staff Engineer

August 2021 - Present

Software Engineer

October 2019 - August 2021

- Built the UI for External Warm Transfers, a top 5 prioritized initiative for Twilio's configurable call center platform (Flex) in 2021
- Drove transition to modern front-end toolset: Redux Toolkit Query, React Testing Library, Paste component library, Cypress
- Mentored junior developers from Twilio's Hatch program, an apprenticeship for underrepresented persons
- Collaborated with the Developer Experience team to build a public Terraform Provider for Twilio APIs

Krow.ai

Denver, CO

Founding Front-end Engineer

March 2020 - Present

- Built PoC applicant tracking system in less than 6 months, piloting at >1k locations and generating 120k sessions/month
- Created a questionnaire builder with drag-and-drop functionality, validation, and dynamic routing using JSON Patch (RFC 6902)
- Consumed >70 RESTful API's leveraging Redux Toolkit Query and JSON:API specification
- Created a scheduling and interview feature (using iCalendar RFC 5545) to streamline the applicant interview process
- Wrote Jest/RTL unit and integration tests that achieved >70% coverage across all metrics in addition to a Cypress smoke test suite

SALT Lending

Denver, CO

Senior Front End Engineer / Lead

April 2018 - October 2019

- Led and managed front-end team overseeing an Admin Portal, Borrower Portal, and React Native app
- Co-designed and built marketing sites, enabling ↑40% pageview, ↑30% time on page, ↓7% bounce rate
- Established best practices and coding conventions for all front-end projects (e.g. unit tests, integration tests, code colocation, CSS, redux architecture, code-splitting, caching, accessibility)

SKOOKUM

Denver, CO

Software Engineer

July 2016 – April 2018

- Built a borrower portal, loan application, admin portal and CMS as a member of a 16-person front-end team
- Built a government personnel security clearance admin portal; enabled inception to release features to onboard customers
- Co-developed a cannabis payments compliance platform using React, TypeScript, MobX, and Express.js
- Developed an app for the Denver Startup Crawl using the Geolocation API to register user "visits" to offices
- Created a human resource allocation scheduler proof of concept with a customer calendar widget

COGO LABS

Cambridge, MA

Web Engineer

November 2014 – July 2016

- Led front-end development for 7 new sites, including an app with >60k users, plus additional internal tools
- Developed a React site-starter kit, featuring a default config for Webpack and out of the box support for server-side rendering
- Developed an internal, styled React component library shared across development teams
- Built a UI reporting tool that featured D3 charts, cached API calls in IndexedDB, and HTML5 drag and drop

PRICEWATERHOUSECOOPERS LLP

Boston, MA

Assurance Associate, CPA

September 2011 – March 2014

- First associate in starting class to pass all Certified Public Accountant examinations

EDUCATION

Boston College, Carroll School of Management

Chestnut Hill, MA

BS: Accounting and IS; GPA: 3.7; Rank: 114/522

2007 – 2011