CONNOR BARKER

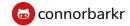@ connorbarkr@gmail.com   📞 415.490.6124   🌐 connorbarker.com   in connorbarkr   connorbarkr

Skills

Languages, Tools & Technologies

TypeScript • JavaScript • React • Redux • Webpack • React Testing Library • Enzyme • Jest • Cypress • Python
Babel • Node • GraphQL • MySQL • Bash • AWS • Bootstrap • Angular • esbuild • Swift • C++ • C • Java • Kotlin

Experience

Software Engineer | Splunk

San Francisco, CA | August 2022 - February 2023

- Enabled high-volume **data visualization (>10 TB)** as a developer on the Unified Dashboard Framework team
- Centralized application state in the **Redux** store, improving performance by reducing re-renders up to **50%**
- Converted **>1500** lines of **JavaScript** code to **TypeScript** in order to improve **type safety** and **error detection**
- Increased code coverage to **>97.5%** while upgrading unit tests to **React Testing Library** for improved usability
- Collaborated closely with the **UI/UX** team, providing engineering insight into high-impact **design decisions**
- Resolved critical deployment blockers, including **CI/CD** pipeline disruptions and **Webpack** config issues, and decreased bundle size by nearly **40%** using **code splitting**

Software Engineer | Splunk

San Francisco, CA | September 2021 - December 2021

- Oversaw internal documentation refactor, rewriting **>2000 lines (~30%)** of the example code in **TypeScript**
- Led re-development of the Splunk UI Examples Gallery using **React**, incl. designing a **modernized UI**
- Advocated for **accessible web practices**, giving presentations to **>500** employees on accessibility-first design

Fullstack Developer | Konrad Group

Toronto, Canada | September 2020 - December 2020

- Managed rebuild of internal tools in **React**, reducing page load times by **~800%** and saving **>30hrs/week**
- Migrated backend flow from **REST** to **GraphQL**, decreasing return times of large requests by **>400%**
- Refactored **MySQL** database using new indexes and foreign constraints, lowering query times by **~150%**

Frontend Developer | Konrad Group

Toronto, Canada | September 2018 - December 2018

- Developed account creation website for a major Canadian bank, currently used by their **17 million clients**
- Created features for bank project using **React** and **TypeScript**, including a custom PDF viewer
- Automated end-to-end and integration testing for a **CI/CD** pipeline using **Puppeteer**, **Jest**, and **Enzyme**

Projects

Personal Portfolio Website

- Architected fully responsive portfolio site using **React**, hosted with **AWS S3** and distributed by **CloudFront**
- Designed website using a dynamic layout system to simplify updating projects and work experience
- Minimized bundle size with a custom **Webpack 5** pipeline, using **Babel** to transpile **TypeScript** and **Sass**
- Utilized **AWS API Gateway** and **SES** to create a contact form which forwards messages from a noreply address

Education

University of Waterloo

Waterloo, Canada

Bachelor of Applied Science in Computer Engineering, *cum laude*