

# Skills – Adam Taylor

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## A people-focused, technical problem-solver

With over 8 years of experience as a full-stack software engineer, I thrive balancing dynamic, fast-paced environments with long-term commitment to quality and maintainability. I have helped engineering organizations with everything from managing complexity in growing distributed systems, to creating high-quality codebases with a focus on maintainability and scalability. I frequently write technical documentation to improve long-term quality and maintainability, and I am always looking for ways to improve the developer experience in an organization.

I love connecting with folks and solving problems so reach out and let's chat!

## Skills

AngularJS AppFlow AWS bash Chrome Extension Development Circle CI deno Docker  
Elasticsearch Electron Express GCP GitHub graphql-codgen Hibernate Ionic/Capacitor  
Jasmine Java Jenkins Jest MongoDB MySQL Postgres Puppeteer React  
REST & GraphQL Ruby on Rails SASS/LESS Selenium Spinnaker SSH & Basic Networking  
Stripe Typescript

## Experience

### *Firstup*

May, 2023 - present

#### Senior Software Engineer

- Implemented several new customer-facing projects including a new 'Topic Landing' page, and a 'V2' UI for the main platform.
- Initiated and worked with a team of engineers to build a centralized 'Shared Components' UI library so that our team and the design team could iterate faster.
- Frequently advocated for (and sometimes implemented) improvements to developer tooling to improve the speed and efficiency of new development in a chaotic microservice environment.

- Identified and fixed various performance bottlenecks within our core services.
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## **WorkTango (Formerly: Kazoo)**

May, 2021 - Apr, 2023

### **Software Engineer II**

- Worked across 3 different teams on a variety of implementations, refactors, and postmortems. The workload varied from migrating legacy feature-sets over to our new, enterprise-ready unified platform, to bug-hunting across a distributed cloud environment, and lots of problems in-between.
  - Collaborated with other engineers, designers, product managers, and customer success representatives to identify and solve problems ranging from performance and data problems, to user experience and feature requests.
  - Helped increase WorkTango's enterprise attractiveness by working with a team of 3 engineers to build 3 new integrations: Slack, Microsoft Teams, and Microsoft Outlook. These integrations allowed our company's unique selling proposition to be leveraged in more platforms than just our web platform.
  - Assisted migrating a legacy feature set worth roughly \$20MM in ARR to the new unified platform. This helped our sales team close bigger deals with enterprise customers.
  - Leveraged Typescript & React on front-end, and Node/Typescript on the back-end. We used GraphQL in the application layer to federate several legacy platforms' APIs into a single API.
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## **Watershed LRS**

Oct, 2018 - May, 2021

### **Full-Stack Software Engineer / Data Engineer**

- While working on a constrained team, I designed, planned, and implemented a performance fix for our largest enterprise customer. This fix solved an acute problem that regularly made our customer dashboards unusable for short periods of time.
- Built an E2E testing pipeline to save manual dev-testing effort on a small team of 4 engineers and no QA resources.
- Implemented a 'micro-React' front-end (before it was cool), in order avoid a costly front-end re-write while still delivering new, highly-valuable front-end features.
- Reduced report loading time by implementing a "paging" feature within our back-end that interfaced with Elasticsearch to allow easy use of front-end pagers along with our back-end data aggregation. Leveraged Kibana to monitor query performance for large and complex ES queries.

- On several occasions, worked directly with clients to gather feedback on upcoming features with the goal of steering development in a mutually beneficial direction.
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## **CrossBrowserTesting**

Apr, 2017 - Oct, 2018

### **Full-Stack Software Engineer**

- Worked with a small team to completely overhaul the front-end client for CrossBrowserTesting.
  - Debugged complex networking performance issues occurring between on-premise VNC servers, WebRTC data streams, and client-facing web applications.
  - Leveraged AngularJS, Node.js, Express, MongoDB, MySQL, and Gulp to advocate for and implement industry-standard engineering practices. This included making workflow changes to avoid pushing minified code to production, using CSS pre-processors such as LESS, and using an automated production deployment system.
  - Aided the team in AngularJS best-practices to create highly maintainable services and reusable directives.
  - Saved dev hours by introducing a front-end build pipeline to eliminate the need for manual CSS pre-processing builds before pushing to GitHub.
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## **8th Day Software**

Mar, 2016 - Dec, 2016

### **Front-End Developer**

- Rebuilt the company's entire web application in AngularJS from a legacy jQuery codebase.
  - Leveraged Chrome DevTools to identify slow pages and optimize them for an improved client experience.
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## **Projects**

### **North Idaho Health**

**Partnered with the owner of North Idaho Health to connect people with local healthcare-related organizations in North Idaho.**

- Designed and built the majority of the front-end website.

- Worked iteratively with the owner to develop a cohesive design system in TailwindCSS.
- Advocated and implemented development best-practices for front-end development in React and Astro
- Entire site is both fully mobile, tablet, and desktop responsive as well as light/dark themed.

Technologies used:

Astro

React

Typescript

TailwindCSS

TailwindUI Components

## *Interactive Flight Path Algorithm Visualizer*

**Partnered with the CEO of a major aerospace defense startup to design and define the parameters for an ambitious front-end development project.**

- Worked with the executive team to define success criteria for the project.
- Worked with a designer to implement cohesive system that would enable non-technical users to build and debug flight paths.
- Built the front-end application using React & Typescript.
- Implemented a WebSocket connector to offer real-time feedback to the user as they drag-and-dropped steps to build a flight-path.

Technologies used:

React

Typescript

Jest

JSON Forms

CesiumJS

WebSockets

## *MatNative*

**Building a native mobile application using Ionic + Capacitor to help Jiu Jitsu Gym Owners spend less time on admin work, and get back to what they love—Jiu Jitsu.**

- Working with gym owners to identify and solve problems that the largest competitors in the space are not solving.
- Leveraging Stripe for gyms to bill their users, and for the app to bill the gyms.
- Originally built with Ionic + Capacitor, but now implmeneting a simpler progressive web app approach.

Technologies used:

Typescript

GraphQL

Stripe

## LunchLine CLI

Built a Puppeteer-powered CLI to take transaction data from Lunch Money and find the corresponding receipt data, and itemize the transactions.

- Built a Puppeteer-powered CLI to take transaction data from Lunch Money and find the corresponding receipt data, and itemize the transactions.
- Includes small chrome extension for websites that utilizes a small http server to interact with the CLI when sites are resilient to Puppeteer automation.

Technologies used:

Puppeteer

HTTP

## Education

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University of Memphis

B.S. Computer Science + Minor in Spanish

August 2013 - December 2016

*You are always a student, never a master. You have to keep moving forward.*

*– Conrad Hall*