

## Adam Ray Tyler

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A highly experienced Full-Stack Engineer with a strong passion for the user experience and learning new technologies, seeking a position as a Team Lead/Principal Software Engineer. Possessing extensive experience in the full lifecycle of the software design process, specializing in Object-Oriented Analysis and Design, and maintenance. Strong verbal and written communication skills applicable in a team environment as both a team member and a lead.

### Technical Expertise

<b>Environments:</b>	<b>OSX, Windows, UNIX, Linux</b>
<b>Languages:</b>	Javascript, Typescript, NodeJS, HTML, CSS, GraphQL, C/C++, Python, JSON, XML
<b>Frameworks:</b>	React, ReactNative, Redux, NextJS, Wordpress, ExpressJS, jQuery, Backbone, Jest
<b>Databases:</b>	MySQL, MongoDB(NoSQL), DynamoDB, Redis, PostgreSQL
<b>Tools/Applications:</b>	Git, NPM, Webpack, GCP, AWS, Docker, Grunt, CircleCI, Vi, Nginx, Figma, Sketch

### Professional Experience

#### **Principal Engineer/Team Lead - ibble, Inc.**

7/2021 – Present

Startup social media video sharing mobile apps for Android and iOS built using React Native. Working with product, design and shareholders to develop the next cutting edge video application like TikTok + Reddit.

- Developing feature sets within our application and scoping large projects to achieve our goals.
- Mentoring and leading a team of engineers to ensure quality, timeliness, and efficiency in their work.
- Working with a full-stack codebase in React, TypeScript, NodeJS and NextJS to create a seamless user experience.
- Delivering video streaming capabilities, allowing users to record and livestream from their devices.
- Enhancing native Exoplayer and AVPlayer and integrating with MUX services and APIs.
- Running scrum and agile ceremonies for the development team to ensure progress and alignment.
- Collecting and analyzing data to enhance user growth and retention.
- Troubleshooting and debugging across multiple mobile devices and handhelds.

#### **Software Architect/Front-End Lead - Rooster Teeth Productions**

7/2016 – 7/2021

Rebuilding company's web stack from the ground up to create a Netflix type of streaming video on demand platform with over 100k average unique users and 2.5 million page views a day. Focusing heavily on front end implementation and user experience as well as middleware APIs and websockets providing data to the front end. Worked closely with designers to create a great user experience and pleasing visuals.

- Leading development of a single page application with the latest web tech and Javascript frameworks.
- Working and maintaining custom-built video.js player and plugins that utilized HLS streaming.
- Researching and designing a complete overhaul of the web stack, collaborating with other engineers.
- Creating a TV app using React Native to deliver video streams to living rooms.
- Mentoring junior engineers to help build their skillsets, conducting interviews and hiring/onboarding.
- Creating a robust chat service handling hundreds of thousands of messages/day and 14k+ concurrent users.
- Troubleshooting and fixing issues across multiple browsers and mobile devices.
- Writing and documenting interfaces for internal and external APIs.
- Creating a React Native iPad app for a yearly convention with around 65k attendees/users.
- Running daily scrums and managing tasking of the Front End development team.
- Running bi-weekly meetings to review new developments in front-end technologies.
- Writing design documents that are followed by the engineering team.
- Architecting and implementing services and features and integrating them with current services.
- Writing unit and end-to-end tests and doing test-driven development (TDD).
- Creating continuous deployment of web stack to staging servers using Amazon S3 and Docker Cloud.

**Web Architect/UX Lead - Ultra Electronics Inc. Advanced Tactical Systems**

05/2008 – 7/2016

In charge of investigating new web technologies to incorporate into our companies webstack and implementing prototypes. UX Lead for the company to ensure a cohesive and polished lineup of web enabled products. Code reviewed all code changes being submitted to repository. Worked my way up through numerous positions, starting with software engineer to team lead to user experience lead for the entire company.

- Evaluated different web technologies and integrated them into our existing web stack. Presented findings to upper management after down selecting a tech to move forward with.
- Trained engineers on new technologies both one on one and lecture series
- Held design meetings to evaluate wire frame mockups and approved final mockups.
- Managed team of 11 engineers, QA and product support while still performing software development
- Held daily standup meetings to ensure engineers and test personnel were tasked and on schedule. Coordinated with team members to resolve any potential impediments.
- Fixed bugs in legacy code base as well as design enhancements and development across multiple OS'es
- Developed real time embedded software systems as well as web clients

**Projects****Drawlur, <https://www.drawlur.com>**

Developed a responsive website using HTML5 canvas and the MEAN stack to allow users to draw and record pictures that can be played back. Incorporated social sharing and voting. Completed over a period of 9 months to gain full web stack experience.

**React-Dice-Complete, <http://www.adam-tyler.com/react-dice-complete/>**

Created an open-source package using ReactJS and Webpack build stack for visualizing dice rolls. The package includes not only the dice visualizations but also the logic to perform rolls and manipulate results. The package has been deployed to the npm package repository and averages over 50 daily downloads

**Video.js-Freewheel-Ads, <https://github.com/AdamTyler/videojs-freewheel-ads>**

Developed an open-source plugin for video.js players that offers an easy interface to the Freewheel ad provider.

**Education & Credentials****Bachelor of Science, Electrical and Computer Engineering, May 2008****The University of Texas at Austin****Employability Status: US Citizen / Permanent Resident****References available upon request****LinkedIn: [www.linkedin.com/in/adamtyler96](http://www.linkedin.com/in/adamtyler96)**