

Software Engineer with over seven years of diverse experience leading teams and leveraging JavaScript libraries and frameworks to deliver dynamic, award winning web and mobile applications.

Work Experience

Senior Engineer **Cantina Consulting** **01/19 - Present**

HomeTurf, Team Lead

- Spearheaded the transformation of a React Native application from concept to the iOS and Android app stores in 90 days
- Delivered a second screen experience that supplemented NFL games by serving contextual content such as: in-game media assets, select stadium performances, chat, trivia, polls, player and sports betting statistics
- Integrated audio fingerprinting libraries, enabling users to synchronize their app experience with their broadcast delay

Technical Consultant **Cantina Consulting** **11/14 - 01/19**

Your Call Football, Team Lead

- Led development of a novel React Native application—where users vote to direct plays in a live football game—shortlisted for the 2019 Yahoo Sports Technology Awards, Best Technology for Fan Engagement Award
- Implemented a low latency live-stream to facilitate real-time play selection without interrupting on field operations
- Actualized a sharing paradigm that resulted in 62% of users sharing their game score or inviting others to play

Newport Folk Festival, Team Lead

- Evaluated and implemented React Native for a rebuild of a pro bono mobile application, which reduced staffing costs by 50% and was a catalyst for selecting react-native on subsequent mobile projects
- Utilized Kinvey—a Backend-as-a-Service platform—to manage artist and event data and handle push notifications

FundVisualizer by Putnam Investments, Engineer

- Developed interactive visualizations with D3.js to improve the user experience of a fund selection and comparison tool, which won the 2017 Media Post, Business Appy Award and the Fund Intelligence Best Mobile App Award
- Optimized front-end resources and consolidated network requests to reduce the application's initial load time by 12%

UI Developer **Boston Financial Data Services** **10/13 - 11/14**

- Implemented responsive design to deliver a device agnostic rebuild of the company's marketing website
- Maintained 11 state run 529 college savings plan websites by developing new features, fixing reported bugs, and refactoring legacy code based on client needs

Personal Projects

Freelance Consultant **Aaron Allan** **01/11 - Present**

- Provide client-tailored engineering services to startups and agencies including Maze Consulting, Gigster and Aquito (acquired by Mavenir)
- Foster long-term client partnerships through shared decision making and successful product delivery

Founder **Traditional Strings** **09/08 - 11/13**

- Created a Lacrosse apparel brand that generated \$6k annually and used a portion of proceeds to donate lacrosse sticks to underserved communities
- Developed an e-commerce website that accounted for 35% of revenue and tracked and displayed stick donation progress

Education

University of Massachusetts Boston **09/06 - 05/11**

BS, Management (concentration): Management Information Systems, Cum Laude

- Finalist in University Business Launch Competition
- University Lacrosse team, served as Captain for two years, played all four years

Skills

Languages: (proficient): HTML, CSS(SCSS), JavaScript(ES5/ES6+), (familiar): Java, Objective-C
Frameworks/Tools: React, React Native, Angular, D3.js, Firebase, AWS, GIT, iOS, Android, Shopify