

# Aaron Yoshitake

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Full-stack product engineer with 9+ years of professional experience crafting rich user interfaces and backends to serve them. Perpetual learner with a long history of seeking out courses and passion projects, gaining knowledge and skills, then leveraging these to advance teams. Passionate about designing and building successful and delightful user experiences.

## Key Skills & Tools

**Expert:** JavaScript, React, Apollo Client, Redux, Node.js, Express, REST APIs, jQuery

**Proficient:** TypeScript, GraphQL, Apollo Server, React Native, React Native Web, Mongoose, MongoDB, Testing Library, HTML, CSS, Bootstrap, SCSS, Github, Git, VS Code, Chrome DevTools, Sketch, Figma, Visio, Jira, Agile

**Familiar:** Webpack, AWS, Angular, RxJS, Firebase, SQL, Python, iOS, Android, PHP, NativeScript, WordPress

## Professional Experience

**Full-Stack Web & App Developer** at Viasat, Inc.

**January 2019 - October 2020**

- Helped Viasat realize significant recurring savings on its customer service expenses by developing a website and mobile apps for customers that enable hundreds of thousands of residential internet subscribers to get status information and fix issues without calling Viasat's support line
- Built and updated these Web, iOS, and Android apps using React Native Web to share 80% of their code
- Took ownership of app auth and chat—explored needs by contacting stakeholders, proactively identified technical constraints, integrated with other teams' services, and reintegrated through multiple migrations
- Wrote end-to-end feature code: React containers and components; Apollo queries, links, and resolvers; and GraphQL and REST calls to external APIs—all completed, reviewed, and merged within 2-week sprints
- Refined designs per technical limitations and brand guidelines, working closely with designer teammates
- Investigated causes of application downtime detected while on-call, rolling back changes or pushing fixes
- Supported junior developers with technical and process issues; thoroughly tested and reviewed their code

**Frontend:** React, React Native, React Native Web, Context API, Apollo Client, TypeScript, WebViews

**Backend:** Node.js, GraphQL, Apollo Server, Express

**Mobile App Developer** at Viasat, Inc.

**August 2017 - January 2019**

- Constructed Viasat's first consumer-facing apps, used by hundreds of thousands of residential internet subscribers, saving Viasat enough in customer service costs to justify their development within months
- Wrote feature code in NativeScript Angular and, later, React Native, to build these iOS and Android apps

**Frontend:** NativeScript, Angular, NgRx, RxJS, React Native

**Full-Stack Web Developer** at Viasat, Inc.

**June 2011 - August 2017**

- Architected and built a real-time network status and control system for a smart grid cybersecurity system; suggested and executed Viasat's first uses of Node.js, Express, and MongoDB, for its webserver
- Spearheaded development of Viasat's first React site, a prototype of later self-service apps and websites
- Wrote detailed user guides and design docs, illustrating system architecture and sequences with Visio

**Frontends:** React, Redux, jQuery, jQuery Desktop, Datatables, Bootstrap, Backbone.js, Socket.IO

**Backends:** Node.js, Express, MongoDB, PHP, Python, Cornice, Pyramid, SQL

## Side Projects

### Pick a Kit

June 2017 - Present

- Mine data about upcoming meal kits from 10 services using a Node.js scraping library for HTML pages, isomorphic-fetch for REST APIs, and graphql-request for GraphQL endpoints
- Manually compile other data about meal kit services: discounts, survey responses, pricing, and more
- Design and develop rich UIs that present this data, including a meal card carousel and pricing calculator
- Assign projects and training to junior devs, balancing their growth and timely completion of business goals
- Present prototypes and live website at a UX Peer Review meetup; improve designs based on feedback

**Frontend:** React, Redux, Reselect, Bootstrap, React Helmet. Live at [PickaKit.com](http://PickaKit.com).

**Backend:** Node.js, Express, MongoDB, Mongoose, scrapelt, Tesseract

### Youtopia Project

June 2016 - Present

- Design and develop pages and backend logic for a personality magazine site, including multiple versions of a custom personality test and test result pages
- Present prototypes and live website at a UX Peer Review meetup; improve designs based on feedback

**Frontend:** WordPress, jQuery. Live at [YoutopiaProject.com](http://YoutopiaProject.com).

**Backend:** WordPress, PHP, MySQL

### Many other web apps

December 2011 - September 2014

- Devised and developed sites backed by Node.js 0.6.x and Express, gaining valuable early experience with Node that was essential to subsequent full-time projects at Viasat
- Designed and constructed the frontend and backend for a customizable productivity app using AngularJS
- Built the backend for a real-time Bitcoin poker site using Node.js, Express, Socket.IO, and Blockchain.info
- Presented prototypes and live websites at a UX Peer Review meetup; improved designs based on feedback

**Frontend:** HTML, CSS, jQuery, Angular, Bootstrap. GitHub repo at [github.com/airandfingers/rpwm-server](https://github.com/airandfingers/rpwm-server).

**Backend:** Node.js, Express, Mongoose, MongoDB, Blockchain.info, Socket.IO

## Education

### California State University, Fullerton

October 2015 - November 2016

**User-Centered Design coursework:** Design for Web and Mobile, Prototyping, Usability Testing

### University of California, San Diego

October 2010 - June 2011

**Cognitive Science coursework:** Cognitive Consequences of Technology, Cognitive Ethnography, and Cognitive Design Studio

### University of California, Berkeley

September 2005 - May 2008

**Bachelor's Degree, Computer Science.** Coursework included Software Engineering, Algorithms, Security, Databases, Artificial Intelligence and Machine Learning, and Operating Systems