Ruben Martinez Jr.

Entrepreneur, Developer, Technologist

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EXPERIENCE

OkCupid, New York, NY — Senior *Software Eng. – Web*

June 2018 - PRESENT

Built the API and Web frontend implementations of several major product launches using React and Redux. Also led initiatives for rewrites and overhauls of several major systems. This included:

- Majorly reducing noise from OkCupid's Sentry error tracking implementation, making it significantly more immediately actionable.
- Eliminating several redundant implementations of an OkCupid API client and consolidating them into one class.
- Eliminating outdated legacy dependencies, including Reflux, Create React Class, and Underscore, to improve page load performance.
- Rewriting OkCupid's Messenger from Underscore/jQuery into a modern, performant, and tested React/Redux app.
- Modernizing significant portions of the desktop and mobile web platforms into a Single Page App (SPA) architecture, which led to significant gains in performance and conversion.
- Creating an architecture for testing our production and development APIs during CI/CD, to ensure changes to our backend and API layers wouldn't adversely affect client-side code.

Well Health Inc, San Francisco, CA — *Lead Frontend Eng.*

SEPTEMBER 2015 - June 2018

Created a HIPAA-compliant encrypted messaging web app with real-time push notifications & offline support, that allows hospitals and clinics to communicate securely and reliably with their patients. This involved:

- Learning on the job to setup a build system using React, Grunt, Gulp, and eventually, Webpack, in the early days of React development.
- Using Redux to create an efficient representation of app state at the global level, and Redux-Persist for caching across user sessions.
- Optimizing for speedy page loads using a variety of caching strategies as well as route-based code splitting, component lazy-loading, and eliminating reliance on large third party modules when possible.
- Building our Progressive Web App (PWA) by using a manifest file in conjunction with Service Workers to add offline capabilities, and trigger push notifications on mobile devices.
- Designing a modern, intuitive, and consistent user interface that customers love to interact with, using a combination of Flexbox, CSS Grid, and more traditional layout techniques. Worked primarily with SCSS, and used Sketch for mockups.

SKILLS

HTML5 · CSS3 · ES6+ · PWAs · React/Preact · Redux · Webpack · npm · Meteor.JS · iOS/Swift · Cordova/PhoneGap · Ember.JS · Three.JS · jQuery · Python · R · Java · Git · Mercurial · Sketch

LANGUAGES

English, Spanish – Fluent
French, Italian – Basic

HELPFUL LINKS

GitHub

LinkedIn

Twitter

Website

- Implemented early features across the full stack, including push notifications, read receipts, typing indicators, and a seamless interface with the Twilio API for bidirectional SMS and MMS capabilities.
- Scaling our product from handling tens of users to tens of thousands per day, using Sentry for error tracking to significantly speed up response rates to uncaught errors.

All-Star Code, New York, NY — *Lead Instructor*

JUNE 2015 - AUGUST 2015

Introduced a class of 20 high school students to web & mobile app development, robotics and physical computing, while teaching them to use languages like Python, JS, and C.

Apress Media, Brunswick, ME — *Writer*

FEBRUARY 2015 - JUNE 2015

Co-authored a book on teaching Swift development of Apple Watch apps using WatchKit 1.0.

EDUCATION

Bowdoin College, Brunswick, ME — *B.A.*

AUGUST 2011 - MAY 2015

Computer Science major with a Visual Arts minor.

University of Texas Brownsville, Brownsville, TX — *A.S.*

AUGUST 2009 - MAY 2011

Majored in Biology and Chemistry.

SIDE PROJECTS

Goodreads for Amazon — *Chrome Extension*

Made a Chrome extension for Goodreads aficionados to read Goodreads reviews for books while shopping on Amazon, right on the Amazon page.

Recal — *React Component*

Built a ~6kb reusable React/Preact Calendar component using CSS Grid. Reached #12 on the global trending repositories on GitHub.

Piggy — *Mac App*

Developed a Mac menu bar app for viewing up-to-date cryptocurrency prices and Coinbase wallet data.

Muzee — *iOS App*

Created an iOS app for capturing photos of paintings, correcting skewed

perspectives, and viewing them in AR.

Avivore — *Chrome Extension*

Built an extension that uses Google's Perspective API to auto-hide "toxic" tweets on Twitter.com in real time.

Recloud — *NPM Package*

Created a React mixin for memoizing results from API calls given prop or state dependencies.

Archive — *Chrome Extension*

Developed an extension that allows you to archive websites to the Wayback Machine with just a click.

Flat.Style — *JavaScript PWA*

Created an offline-ready web app for generating icons with shadow effects given any image using the HTML Canvas API.

GroupCodes — *JavaScript SPA*

Built a real-time collaborative web-based code editor aimed at students working together on projects.

Infinitweet — *Chrome Extension, iOS & Android apps*

Created a social media tool for sending "infinitely" long tweets, by converting text into images optimized for Twitter. 3.6k downloads.

DUCK! — *iOS app*

Created a social media tool for iOS for unfollowing Twitter users by swiping left or right, based on Tinder. 1k downloads.

Confidant — *iOS app*

TouchID/FaceID-secured photo locker, with a responsive layout for iPhone & iPad compatibility. 3.4k downloads.

Bowdoin Dining — JavaScript SPA, *iOS & Android apps*

Developed a suite of apps for Bowdoin College Dining used by over 5.6k students and faculty.

WBOR Radio — *Chrome Extension, iOS & Android apps*

Developed apps to allow anyone to stream WBOR Radio, the Bowdoin College student radio station, from their phone or laptop. 3.8k downloads.