Aykan Fonseca

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Experience

Housecall - San Diego, California
October 2017 - January 2018
Software Engineer Intern, Housecall Pro Web
- Improved invoice system with a 21% faster render time with React & Redux.
- Created server endpoints in Ruby / Rails for onboarding with CSV migrations for QuickBooks.
- Fixed and finished booking through Yelp with calendar reminders.

Education

University of California, San Diego
September 2014 - June 2018
- Bachelors of Science in Math - Computer Science and a Minor in Political Science
- Coursework Includes: Advanced Software Engineering, Web App Performance, and Entrepreneurship.

Projects

Oasis Social Network
- Built a social network called Oasis with a team of 10. React & Firebase Progressive Web Application, FullStory & Sketch for user studies, and native use via Electron & Node.js.
- Lead team to create an Analytics Dashboard, E2E Encryption, Docs, and Ads.
- Created for a client for a software engineering class and won 1st place (out of 14).

Kiwi CI Pipeline
- Lead a team of 5 to build a tiered Continuous Integration pipeline.
- The Travis CI pipeline includes, testing changes through a suite of tests (Unit, E2E, Regression) with Jest & Enzyme, doc generation via ESDocs, code complexity via Codacy, automatic deploys via Firebase, history & notifications via Slack, and more. Saved ~27% of development hours per project.

Triton Courses
- Created a React & Firebase PWA with features like seat-fill rates, grade distributions, calendar view, clean UX (designed in Sketch), advanced filtering, and more.
- Python backend scrapes 5 websites, handles ~2000 classes per quarter, and organizes into an intuitive database. Supports fake data injection and tiered rollouts.
- Beta had 219 users, 4.8/5 rating, and scheduling time decrease of 32%.

Muber
- Lead a team of 6 to build a React Native & Firebase mobile app to share vehicles for moving out. Enjoyed an 86% retention rate and reduced time to move by 16%.

Dropbox Clone
- Python (gRPC) fault-tolerant, concurrent, distributed file-storage service.
- Files are updated using replicated logs and a 2-phase commit protocol with Java.

Skills

Comfortable: Python, C++, C, Java, React, HTML, CSS, JavaScript, Chrome DevTools, Firebase, FullStory, PWA, Sketch, Git, Agile / Waterfall, Bash, Windows, and Unix.

Familiar: Redux, Node.js, Web Components, Continuous Integration (Travis CI), RAIL, React Native, A/B Testing, Jest, Enzyme, Codacy, ESDocs, and SQLite.