

# Richard Westmoreland

## Software Engineer

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## Relevant Experience

### Software Engineer 1 @ FlightAware

July 2020 - Present // Houston, TX

- ▶ FlightAware Aviator
  - Implemented the frontend product purchase and account management user interfaces with React and Redux.
  - Introduced React Redux to the FlightAware web team.
- ▶ FlightAware Web Accessibility Initiative
  - Researched what was required to bring FlightAware into WCAG 2.1 compliance.
  - Implemented accessibility changes across FlightAware.com.
  - Shared the knowledge acquired with my web teammates to ensure we persist web accessibility best practices.

### Associate Software Engineer @ FlightAware

February 2020 - July 2020 // Houston, TX

- ▶ “Firestarter FIDS” MVP
  - Designed and implemented the frontend using React and Material Design.
  - Uses REST to make http requests to the Firehose service.
- ▶ Homepage Redesign Project
  - Implemented the full-stack redesign of our homepage using HTML, CSS and JavaScript.
  - Used chart.js as a charting library to display data retrieved by custom PostgreSQL queries.
  - Architected the backend to fetch Postgres database flight data via cron.

### Captain @ SkyWest Airlines

January 2016 - January 2020 // Houston, TX

- ▶ Ensured the safety of passengers on board Canadair Regional Jet aircraft
- ▶ Managed a flight crew of 3-4 crew members

### First Officer @ SkyWest Airlines

December 2014 - January 2016 // Houston, TX

- ▶ Ensured the safety of passengers on board Canadair Regional Jet aircraft
- ▶ Assisted the captain and perform required duties such as exterior aircraft inspection pre and post-flight

## Skills

### Programming Languages

JavaScript (ES6), HTML, CSS/Sass, tcl, Python, Dart, PHP, GraphQL, PostgreSQL

### Libraries and Frameworks

React, Node.js, Express, jQuery, Gatsby, Flutter

### Tools and Platforms

Git, GitHub, Firebase, Docker, Netlify, Sanity Wordpress

## Education

### University of Houston

2005 - 2010 // Houston, TX

Bachelor of Arts with an all-level certification in music education

## Projects

### Keg Track App

A mobile application written in Dart with the Flutter framework. Uses Firebase Cloud Firestore as the backend to monitor and track keg volumes.

[www.kegtrackapp.com](http://www.kegtrackapp.com)

### WiFi Temperature Controller

An Arduino-based WiFi temperature controller that uses a PHP backend to query a MySQL database.

## Interests

Cycling, running, hiking, homebrewing