



Projects

Sole Developer

React Redux File Generator | [Live](#) | [GitHub](#)

A npm JavaScript module that generates frontend file templates for react/redux

- Over 3500 downloads on npmjs.com since January, 2017.
- Utilized JavaScript file system to generate file templates to speed up project creation and eliminate common import/export errors.

Full-Stack Developer

Tempo | [Live](#) | [GitHub](#)

A single page music streaming web application built with Rails, React, and Redux

- Utilized React Sound and designed a custom interface to implement a music player that continuously plays while the user browses the site.
- Created music search and rendered the result in real time, while minimizing the number of database queries.

Full-Stack Developer

Eezee | [Live](#) | [GitHub](#)

A React-Native mobile app that uses public API to query movies in streaming.

- Learned React Native in one week and built a cross platform mobile application.
- Utilized Guidebox API to query over 300 video streaming services via a single API call.
- Incorporated Firebase backend authentication with React Native & Redux frontend.

Skills

Ruby On Rails

SQL

HTML5

ReactJS / Redux

JavaScript

Git

CSS3

React Native

Education

University of Pittsburgh

B.S. in Chemical Engineering, GPA: 3.8

Aug 2008 – Apr 2012

Pittsburgh, PA

Experience

JumpStart TA

Feb 2017 – Present

App Academy

San Francisco, CA

- Taught Ruby to prospective students by providing one-on-one support and introducing programming concepts in lectures of 20+ students.

Lead Wireline Field Engineer

June 2012 – Feb 2015

Schlumberger, Halliburton, & C&J Energy Services

PA, TX, LA

- Was the lead engineer on site and managed 5 to 15 people, including third party companies, and generated over \$10 million in revenue.

Business Development Intern

May 2011 – Aug 2011

Elliott Group

Jeannette, PA

- Created Excel Visual Basic program to scrape Elliott Group's and its competitors' sales data to determine the optimal projects to bid on and adjust pricing.
- Automated net present value (NPV) calculations using Visual Basic to determine future profitability of every research project and to prioritize those projects based on their NPV value.

Research Assistant

May 2010 – July 2010

RWTH Aachen University

Aachen, Germany

- Optimized MatLab program to analyze data from hundreds of hours of experiment data to calculate oxygen/carbon dioxide transfer rate in bioreactors.