Justin Lowen
Software Engineer & Project Manager

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📱 Public Copy - Contact Electronically for Full Details

📍 San Antonio (Relocation/Remote Possible)

🌐 JLowe-N.github.io

in linkedin.com/in/justinlowen

github.com/JLowe-N

TECHNICAL SKILLS

Frontend
JavaScript (ES6+), React, React Router, React Hooks, React Context API, HTML5, CSS3, JSON, AJAX, Fetch

Backend
REST, Python, Django Framework, SQL

Principles & Methodologies
Data Structures, Algorithms, Object Oriented Programming (OOP), Functional Components, Class-Based Components, Mobile First Design, Responsive Design, Agile, Scrum

Tools
Git, GitHub, Node Package Manager (NPM), Virtual Environments, PIP

PROJECTS

Netflix Clone
jlowen-netflix.netlify.app/
- Recreate the Netflix **frontend** using **JavaScript (ES6+)** and **React** including **Hooks**, **Router**, and the **Context API** built with Compound Functional Components to enhance **reusability** of the component library and **maintainability** of code

Pic Some E-commerce (SPA)
jlowe-n.github.io/picsomereact/
- Create a Single Page Application (SPA) frontend using **React Router** to facilitate page navigation and optimize performance by minimizing re-rendering of components
- Used **React Hooks** to modernize the application with functional components facilitated by the **Context API**

CERTIFICATIONS

Frontend Developer Career Path - Scrimba
 (07/2020 - 09/2020)
Over 250 hours of coursework covering modern JavaScript (ES6+) and React. Deployed several projects using JavaScript and React including Netflix clone, E-Commerce SPA, and several API frontend applications.

Python & Web Development Tracks - JetBrains Academy
 (05/2020 - 07/2020)
Over 300 hours of coursework covering Python and web development fundamentals.Topics covered included functional & OOP, common data structures & methods, and the Django framework

EXPERIENCE

Senior Project Manager
Halliburton

01/2019 - 05/2020   *San Antonio*
Achievements/Tasks
- **Debugged** a production software calculation error in **Spotfire visualization**, correcting inconsistent project metrics that were presented to customer lead engineer and CEO. Implemented bug fix overnight, pitched to analysis team and got approvals, and pushed code improvement immediately for this **multi-million dollar cross-functional project**
- **Coded** a **Spotfire visualization** using a **Python algorithm** to project microseismic map points on an interpreted line that guided customer analysis and optimized their well asset value
- **Led** operations team providing **project planning**, scheduling, customer communication, and results delivery through microseismic and fiber optic data **analysis and presentation**

Senior Engineer
Halliburton

06/2012 - 01/2019
Achievements/Tasks
- **Supervised** onsite well operations for 15 member shifts on a **45 member team** by monitoring real-time data streams and alerting crew to deviations from customer design plan and providing corrective actions resulting in lower operating costs and more efficient execution
- **Mentored** and developed competency of junior engineers teaching necessary equipment, software, and chemistry skills - mentored 9 engineers directly with onsite training and taught classes for **over 50 engineers** in engineering software and design execution
- Create **Python scripting** inside of Spotfire for fetching server data and populating continuous improvement visualizations
- **Collaborated with UX Team** refining user stories and completing smoke testing as a subject matter expert (SME) for regulatory compliance reporting, reducing time for production release

EDUCATION

Bachelor of Science, Chemical Engineering
University of Pittsburgh

2012