DANIEL **HOFFMANN**
Software Engineer

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SKILLS

Agile, AWS, Communication, CSS, Docker, Expres.js, Flask, Git, GitHub, Heroku, HTML, JavaScript, Kanban, Leadership, Node.js, Object-Oriented Programming (OOP), Pair Programming, PostgreSQL, Problem-Solving, Project Management, Python, React, Redux, RESTful API, SCRUM, Sequelize, SQL, SQLAlchemy, Test-Driven Development (TDD)

PROJECTS

RIDES   (AWS, ReactJS, Redux, Flask, SQLAlchemy, JavaScript, Python, Docker)   live | github

Rides is a full stack web app that allows users to research, list for sale, and contact car sellers.

- Employed React and Redux, including proficiency in building reusable components, implementing complex state management using hooks and context, and optimizing performance through the use of memoization and the use of the virtual DOM.
- Utilized AWS S3 for file storage in conjunction with Flask, including the ability to upload, download, and manage files, as well as implement security measures such as signed URLs and object level permissions.

SWEETIEGRAM   (AWS, ReactJS, Redux, Flask, SQLAlchemy, JavaScript, Python, Docker, Pair-Programming)   live | github

An Instagram inspired app themed towards posting images of desserts and sweets. Group project.

- Leveraged SQLAlchemy as an ORM for Python to interact with databases, including the ability to design and optimize database schemas, handle migrations, and perform advanced queries and transactions with a high degree of efficiency and scalability.
- Applied a strong understanding of pair programming best practices, including the ability to effectively communicate and share knowledge, navigate conflicts, and maintain a productive and inclusive working environment.

AIRBNB-PRIME   (AWS, ReactJS, Redux, JavaScript, Express, Sequelize, PostgreSQL, Multer)   live | github

A web app inspired by Airbnb, built with React, Redux, HTML5, and CSS3

- Deployed CSRF protection when using Fetch API, including the ability to implement anti-CSRF tokens, and secure cookie-based authentication in a single-page application, ensuring the integrity and safety of user data and requests.
- Integrated AWS S3 with Node.js and Express using Multer, including the ability to handle multiple file uploads, perform client-side and server-side validation, and manage secure storage and retrieval of files.

WORK EXPERIENCE

Project Manager / Manufacturing Engineer - *FlexSteel Pipeline Technologies*   Dec 2018 - Feb 2022

- Purchased $3.2MM worth of automation equipment and trained 10 operators leading to a 60% throughput increase.
- Designed lean production tools for reduced downtime and a record 730+ days of no Lost Time due to injuries.

Continuous Improvement Manager - *Unicorr Packaging Group*   Nov 2017 - Nov 2018

- Improved On Time Delivery (OTD) from 70% to 90% by utilizing the Voice of the Customer (VOC), and implementing a Continuous Improvement and Lean Culture throughout the entire Massachusetts plant.
- Raised $144K in State Grants for training in Leadership and Lean Yellow/Green Belt.

Continuous Improvement Engineer - *Wyman-Gordon – A PCC and Berkshire Hathaway Company*   Aug 2016 - Sep 2017
Process Development Engineer - *EnPro Industries, Inc.*   Jun 2014 - Aug 2016

EDUCATION

Full Stack Web Development - *App Academy | Oct 2022*
Project Management Professional (PMP) - *Project Management Institute (PMI) | Apr 2021*
Lean Six Sigma Black Belt (ICBB) - *International Association for Six Sigma Certification | Apr 2018*
Master of Engineering in Manufacturing Engineering - *Boston University | May 2014*
Bachelor of Science in Mechanical Engineering - *Boston University | May 2013*