

Keenan A. Heller

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TECHNICAL SKILLS

Programming: JavaScript, React.js, Node.js, HTML, CSS, Python, Pandas, NumPy, Jupyter, SQL, MySQL, NoSQL, MongoDB, Mongoose, DynamoDB, Postgres, Express, Azure, AWS, jQuery, Bootstrap, GraphQL, C, C++, VBA, R, JIRA, Git, Kubernetes, API, WebSockets, Postman, Heroku

Engineering: MATLAB/Simulink, SolidWorks, CNC, ANSYS, LabVIEW, Microsoft Project, Raspberry Pi, Arduino

PROJECTS

Sportsbook | [Repository](#) | [Deployed](#)

- App allowing users to create accounts to “bet” on their favorite games and props and track their trends
- Game and prop lines read in by the minute and pushed responsively to the user using WebSockets
- JavaScript/React.js, Node.js, Express, MongoDB, API, Socket.io, HTML and CSS

Chefify | [Repository](#) | [Deployed](#)

- App allowing users to search recipes by categories, ingredients, dietary restrictions, nutrition information and a general search with options of saving them for later in personal profiles
- JavaScript, SQL, API, HTML and CSS

Verdant Earth | [Repository](#) | [Deployed](#)

- App for users to identify areas in their life that need help with waste reduction
- Allows users to search for household items for areas such as kitchen and bathroom, as well as larger scale items like solar irradiance, panel sizing and wind turbines
- JavaScript/React.js, Node.js, Express, MongoDB, API, HTML and CSS

EXPERIENCE

The Boeing Company – Seattle, WA

November 2018 – Present

Full Stack Developer

March 2020 - Present

- Created installation plan review process with client and administrator portals utilizing React.js, HTML, CSS and MongoDB averaging 5,000 users per day
- Developed analytics dashboard to track and improve efficiency of self-owned applications utilizing React.js, HTML, CSS and MongoDB
- Developed *de novo* application with consumer and administrator dashboards to assist visualization of sequential part by part build of the airplane utilizing JavaScript, HTML, CSS and SQL
- Developed Python automation scripts for team members previously performing manual data analysis processes saving 2-3 hours per day

Project Manager

April 2019 – March 2020

- Conceptualized and executed airplane protection equipment projecting an annual savings of \$400,000
- Led all components of project including development of product and coordination between stakeholders, tracking progress by utilizing Microsoft Project Gantt Charts to develop a critical path
- Sourced internal and external prototype materials to develop and manage the BOM throughout prototyping to final design
- Created business cases for respective projects and presented to upper management forecasting future costs, cost savings and ROI

Functional Test Manufacturing Engineer

November 2018 – April 2019

- Created JavaScript GREP tool comprising all 777 functional tests and their respective attributes backed by a SQL database
- Created Python application to perform previously manual data gathering and analysis, projecting an annual savings of \$114,000
- Led team tooling organization comprising mechanics, health and safety personnel, tooling engineers and finance staff
- Authored functional tests and coordinated with stakeholders for configuration control, scheduling, and live testing with mechanics, design engineers and quality assurance

A1 Luxury Motors – Seattle, WA

May 2017 – August 2017

Compressed Natural Gas Project Manager

- Engineered projects leading a team of 2 additional members performing bi-fuel and dedicated compressed natural gas conversion for automobiles emphasizing model-specific thinking
- Performed basic engine maintenance to whole engine replacements
- Utilized JavaScript, HTML and CSS to assist development of company website
- Collaborated with suppliers for purchasing and filling of all orders

EDUCATION

The University of Washington – Seattle, WA

October 2022 – Current

Bootcamp Certificate in Financial Tech (Python)

The University of Washington – Seattle, WA

December 2020

Bootcamp Certificate in Full Stack Web Development (JavaScript)

The University of Arizona – Tucson, AZ

May 2018

Bachelor of Science in Mechanical Engineering