

# Juan Hernandez Campillo

Davenport, IA

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[LinkedIn](#)

[GitHub](#)

## PROFESSIONAL EXPERIENCE:

### Software Engineer

John Deere

June 2021 - Current

**Environment:** (TypeScript, JavaScript, Sass, React, Java, SpringBoot, RESTful APIs, GraphQL, DocDB, AWS, Chrome Dev Tools, Jest, Mockito, React Testing Library, JUnit, Selenium, Puppeteer)

- Designed, developed, and tested full stack web components for dealership quoting application to display and create quoting transactions between dealerships and customers
- Orchestrated several web page rewrites/enhancements from Angular to React
- Supported an Agile work environment with on-call responsibilities
- Orchestrated end-to-end testing in Selenium and later supported the transition to Puppeteer
- Collaborated in troubleshooting CI/CD pipeline issues

## SOFTWARE DEVELOPMENT PROJECTS:

### Coffee Roasting

March 2021 - [GitHub](#)

*A web app that is used to review coffee roasts and also purchase coffee*

**Environment:** (JavaScript, CSS, React.js, Redux, Python, Flask, RESTful API, BEM, PostgreSQL, SQLAlchemy, AWS S3, Chrome Dev Tools)

- Integrated AWS S3 to store and retrieve images for profile and product showcasing
- Designed Redux store and reducers to improve efficiency in managing application state such as current user information
- Formalized a PostgreSQL database using SQLAlchemy to perform CRUD operations through Python classes
- Incorporated BEM for HTML classes to improve the readability of markup along with establishing reusability of CSS stylings

### FireMoney

February 2021 - [GitHub](#)

*A web application that helps users create and analyze monthly budgets*

**Environment:** (JavaScript, CSS, React.js, Redux, Python, Flask, RESTful API, PostgreSQL, SQLAlchemy, Chrome Dev Tools)

- Defined and developed several React components along with React Hooks to manage component state and side effects
- Leveraged Redux to manage app-wide state and created actions for CRUD operations/state revisions to minimize the use of React component props
- Created wireframes/designs to establish a vision for the application and to ease the implementation of website styling with vanilla CSS

### DinoFlow

January 2021 - [GitHub](#)

*A StackOverflow-inspired web application where dinosaurs can post life-saving questions*

**Environment:** (JavaScript, CSS, Pug, Express.js, RESTful API, PostgreSQL, Sequelize, Chrome Dev Tools)

- Constructed RESTful API routes to simplify routes for CRUD operations to the PostgreSQL database
- Collaborated in designing AJAX requests to perform asynchronous CRUD operations for a better user experience
- Set up web application security through session-based authentication and incorporating Bcrypt Hashing for encryption of user credentials

## EDUCATION/CERTIFICATIONS:

Johnson C. Smith University - BS Computer Engineering,  
2012-2016

AppAcademy - Software Engineering Course,  
2020-2021

Six Sigma Yellow Belt Certification

## PROFESSIONAL ORGANIZATIONS:

National Society of Black Engineers, 2012-2020

Society of Hispanic Professional Engineers, 2012-2020

John Deere Toastmasters, 2017-2019