

# Zachary Stephen Hensler

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<https://github.com/zach-hensler>

<https://zach-hensler.github.io/homepage/>

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## Experience

### Front End Web Developer

Valid USA, Fort Wayne, IN

June 2021 - Present

- UI Work
  - Built applications using Typescript, React, and Webpack with Jest unit tests.
  - Worked on applications with and without redux for state management.
  - Created and maintained private npm components to allow code reuse among multiple products.
  - Built an app to be entirely configurable via a JSON object. Designed infrastructure to organize the configuration and default values.
  - Developed tools to help manage the documentation and management of the configuration options.
  - Designed custom hooks for managing global states throughout the application. (ex: navigation, configurations, and banners)
  - Wrote Jest unit tests to test the various branching paths that stem from different possible configurations.
- API Work
  - Worked on applications written in Python and C# on an AWS serverless stack using Lambda, DynamoDB, S3, and API Gateway.
  - Created REST endpoints to GET and POST data.
  - Worked on data reporting using AWS firehose to dump data into an S3 bucket, AWS Data Brew to transform the data into a usable format, and AWS Quicksight to display the data as charts and graphs.
- Other Work
  - Used git for version control
  - Observed and collected feedback from a pilot. Designed features to address issues that were found during the pilot.
  - Performed weekly demos for clients and performed bi-weekly internal demos.
  - Interviewed, onboarded, and trained two front end developers.

### Front End Web Developer

Rural Sourcing, Fort Wayne, IN

October 2020 - June 2021

- Building dynamic web pages using React, Redux, Recompose, and Lodash.
- Refactoring Recompose pages to use React Hooks.
- Organizing and displaying data received from an API.
- Writing unit tests with enzyme and jest.

### **Web Programmer Assistant**

Purdue University, West Lafayette, IN

June 2019 – May 2020

- Building websites using HTML, CSS, JavaScript, and Bootstrap.
- Designing websites with responsiveness and accessibility in mind.
- Complying with Purdue's branding guidelines.

## **Education**

### **BS in Computer Engineering**

Purdue University, West Lafayette, IN

Awarded August 2020

## **Skills**

### **Experience with the following languages and tools**

Very Familiar:

- React
- TypeScript/JavaScript
- HTML
- CSS
- Github
- Yarn/NPM
- Jest / React testing library

Somewhat Familiar:

- Python
- C# (.net)
- AWS Serverless (API Gateway, Lambda, DynamoDB, and S3)
- Redux

## **References**

**Available upon request**