

JARED SIEMEN | Software Developer

I am a software developer with experience in freelance web development and single page application design and development using React. Breaking down complex problems into their less complex components and effectively communicating with clients are skills that I excel at, along with collaborating with others and learning new skills and technologies.

Skills

Languages - JavaScript, Python, HTML, CSS, JSON, JSX, EJS, PHP, AJAX, Java

Database - MongoDB, PostGreSQL | **Other** - RESTful Routing, MVC Architecture, ERD's, SQL, noSQL, Git, Adobe XD

Libraries and Frameworks - React, Node.js, Express.js, Mongoose.js, Chart.js, Django, Bootstrap, WordPress

Software Development Projects

[Thrift](#) - React, Express.js, Node.js, PostgreSQL, CSS

October 2022

Full-stack financial tracking application that enables users to track their financial data and present it in a visually pleasing way.

- Developed a RESTful API using **Express.js**, **Node.js**, and **PostgreSQL** to allow the front end of the application to create, read, update and delete their transaction, account, and institution data.
- Rendered the front end using **React** to create a single-page application and update individual components as needed. Integrated **Chart.js** with **React** to display the user's information in a visually appealing way.
- Using this application, users can enter their transaction, account, and banking information in order to better understand their finances. Future versions will include budget tracking auto-import features.

[Sleeper Sheets](#) - React, Express.js, Node.js, Mongoose, MongoDB, CSS

September 2022

Full-stack fantasy football application that allows users to view their teams, matchups, league, etc.

- Built front end with **React**, taking advantage of React's ability to render and update individual components when fetching new data versus re-rendering the entire page and disrupting the user experience.
- Fetched user, player, and league data information from Sleeper App's public API to display to the user. Made RESTful API fetch calls to an **Express**, **Mongoose**, **MongoDB**, **Node.js** backend to create, read, update, delete user data.
- The application allows users to view their league and team information, and will also allow them to have player-watchlists, analyze trade scenarios, and suggest waiver pickups.

[Instagram Clone](#) - Express.js, Node.js, Mongoose, MongoDB, bcryptJS, EJS, CSS, Postman

September 2022

Full-stack Instagram clone application that allows users to post, comment, and like other user's content

- Made RESTful API fetch calls to an **Express**, **Mongoose**, **MongoDB**, **Node.js** backend handling all create, read, update, delete (CRUD) operations, and tested all backend routes during development using **Postman**.
- Used Mongoose to define schemas for MongoDB collections, and **bcryptJS** to hash user passwords.
- Implemented **EJS** templates along with CSS flexbox to build style and layout. Collaborated with 2 other teammates to complete in one-week sprint.

[Battleship](#) - HTML, CSS, JavaScript

August 2022

Browser-based web app version of the child's game Battleship

- Utilized **HTML**, **CSS**, and **JavaScript** to build a browser-based game in a one-week sprint. MVP+ status was achieved.
- Styled using CSS with **flexbox** layouts to build a beautiful game board. Used DOM manipulation to interact with the game board.
- Managed version control with **Git** and **GitHub** to enable me to redeploy previous working versions when experimenting with a new feature.

Professional Experience

Freelance Web Developer and Designer - [Sports Photography E-commerce](#) | Flint, MI February 2022 - Current

- Designed an e-commerce site for a sports photographer using Adobe Xd for UX design and developed the site using WordPress CMS, Elementor page builder, and custom **HTML, CSS, JS, and PHP**.
- Created a custom plugin that integrated with WooCommerce to collect custom order information, display that information in the admin backend, and send the customer a custom invoice to print and bring to photoshoot and drastically reduce customer confusion on photoshoot day.
- Dynamically calculated shipping rate based on the user's sports league by developing a custom plugin that uses **AJAX** to update the user's cart based on their league information that they provided in a dropdown.

Freelance Web Developer and Designer - [The Borrowed Sugar Lifestyle Blog](#) | Flint, MI January 2022 - May 2022

- Wireframed and designed UX/UI for a lifestyle blog client using Adobe Xd. The site was developed using WordPress CMS, Elementor page builder, and custom **HTML, CSS, JS, and PHP**.
- Developed custom header and footer using **HTML** and **CSS** when Elementor was not able to provide the custom look that the client needed.
- Integrated website with Sendinblue to send updates to users whenever the client uploads a new blog post or wishes to launch marketing campaigns.

Freelance Web Developer and Designer - [Flint Mission Network](#) | Flint, MI August 2021 - Current

- Developed a website for a local nonprofit using WordPress CMS, Elementor page builder, and custom **HTML, CSS, JS, and PHP**. Wireframed and designed UX/UI using Adobe Xd.
- Custom-coded a plugin that integrates with a GiveWP donation form to allow users to specify which ministry their donation will be used for. The data is stored in the site's backend and emailed to the nonprofit's financial team.
- Improved website's SEO by optimizing page titles and schema for local searches using RankMath plugin. Added hidden content on pages to add more keywords.

Supplier Operations Engineer - Stellantis | Auburn Hills, MI November 2020 - August 2021

- Led continuous improvement project to reduce power-top warranty incidents due to over-flush wear plates, resulting in 90% warranty reduction. Achieved by improving inspections and tightening wear plate tolerances.

Design Release Engineer - Fiat Chrysler Automobiles | Auburn Hills, MI October 2019 - March 2020

- Reduced fuel door assembly piece price costs by approximately 60% for future program by moving from cast aluminum to plastic design, while ensuring performance requirements were met through FEA analysis.

Test Engineer - SMR Automotive Systems | Marysville, MI April 2015 - October 2019

- Cut mirror heater performance analyzing time by 90% creating a MATLAB program that only used an infrared image of the mirror as the program input.

EDUCATION

General Assembly | Remote July 2022 - October 2022

Software Engineering Immersive

Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

University of Michigan | Ann Arbor, MI August 2009 - May 2014

Bachelor of Science in Engineering | Aerospace Engineering