WILLIAM LOWRIMORE

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SOFTWARE ENGINEER | WEB DEVELOPER | FULL STACK DEVELOPER | FRONT END DEVELOPER

Meticulous Software Engineer with a passion for Front-End Development, and a firm understanding of Back-End Programming & Technical Architecture.. Able to communicate effectively with clients and stakeholders to strategically analyze business requirements and recommend, produce creative business solutions.

TECHNICAL SKILLS

Languages: JavaScript, ECMAScript, Python, HTML5, CSS, SCSS
Frameworks/Libraries: React.js, Next.js, Vue.js, Django-Python, TailwindCSS, Bootstrap, Node.js, ExpressJ.js, Ruby on Rails, Turbo, jQuery
Platforms/Tools/Applications: Git/GitHub, PyCharm, Stimulus, Firebase, Postman, VSCode
Database: MongoDB, GraphQL, PostgreSQL, SQLite3, Postman, Insomnia
Design: Adobe Photoshop, GIMP

Functional: Software Development, Front End Development, UI Development, Back End Development, Agile Application Development, Object-Relational Mapping (ORM), Model-View-Controller (MVC), Model-View-Template (MVT), Object-Oriented Programming (OOP), Progressive Web Applications (PWAs), Single Page Applications (SPA), API Development, Agile Software Development, Software Development Life Cycle (SDLC), Agile Methodologies

Professional: Communication, Critical Thinking, Problem Solving, Creativity, Organization, Relationship Management, Stakeholder Engagement, Customer Service, Teamwork & Collaboration

PROJECTS

Nash Clothing   January 2023 - February 2023
- Nash Clothing is the capstone project required for the Complete React Developer Certification. It is an e-commerce full stack application using: React.js, Redux Saga, Hooks, Styled Components, React Router, GraphQL, Stripe, Firebase, and Jest for Unit Testing.
- The application begins with a basic CRA command in the Bash Terminal. Once live, and open in the VS Code IDE, the unneeded files are removed for a cleaner more organized file structure.
- The necessary Node packages are installed, as needed, using NPM (Node Package Manager).
- UI development consists of React Functional Components styled with SCSS React Styled Components. Some of the Styled Components are coded with dynamic functionality to address visual needs in various components (i.e. Buttons in different states).
- The user logs in or signs up using a custom made registration form which routes their user information to the back-end server using React.js and React-Redux Hooks where it is authenticated and validated.
- As the user(s) adds items to their shopping cart, the item count, amount subtotal, and final total is automatically updated in real time. The user(s) then have the control over adding and removing items from their shopping cart.
- The Redux store handles the shopping cart where the users' items are stored with persistence so once logged out, the items remain in the shopping cart for the next login session, or when they are ready to complete their transaction. This is made possible with the help of the logger middleware.
- When the user(s) is ready to purchase the items in their shopping cart, they are presented with the checkout screen which is equipped with Stripe where the user(s) will confirm their intent to purchase using a credit card or paypal.
- Nash Clothing was coded with the latest ECMAScript, and in the end converted to TypeScript, and is a complete CRUD application that gives the user the complete SPA experience.
- Nash Clothing is Mobile Responsive..

Bounty Book   May 2022 - May 2022
- Completed quarterly projects, 21 Code Challenges, all while working both, solo and in teams.
- Bounty Book - The requirement for graduating Vanderbilt University Code Bootcamp was to create and develop a unique MERN (MongoDB, Express.js, React.js, Node.js) MVP application.
- As a team of four, we each took the part of the MERN stack that matched our strongest suit in full stack development to ensure the most adequate software development process. We created and developed "BOUNTY BOOK", an interactive job board that caters to bounty hunters searching for fugitive leads, as well as bail bondsmen searching for bounty hunters to seek and capture fugitives who have skipped out on bail.
- With the user logged in, they will experience the full CRUD functionality. They can Create a user profile, Read the contents of the fugitive or bounty hunter listings, Update their profile and posted listing(s), and Delete their account and/or listing(s) completely.

- My assigned primary role for this project was Front End Developer. I used the React.js Library/Framework, Bootstrap and Vanilla CSS, and Vanilla JavaScript.
- The deadline for completion and presentation was two weeks. In those two weeks we stayed on schedule by practicing Agile Methodologies. We held daily chats and virtual meetings.
- I accomplished completion of the front-end within one week which spared time for my assistance in the back-end (Apollo Server, MongoDB) where I performed pair programming with one of the back-end developers so as to meet the deadline.
- As a team, we completed the project and presented on time yielding a grade of 100%.

PROFESSIONAL EXPERIENCE

Web Developer, Independent Contractor, Nashville, TN (Remote)   July 2022 - Present
- Meet with local business owners to assist in strengthening their online presence, website traffic, and overall efficiency of their online business platform. By keeping with the latest software trends that cater to specific business models, I offer software architectures such as SEOs and SPAs that will promote name branding as well as web search visibility with high speed, light weight, and long-term cost effective results.
- Created and developed a startup Electrical Company's 'maiden voyage' mobile responsive website. Smith's Electrical has been relying solely on word of mouth and social media business. I explained how important name branding and efficiency are for building and maintaining a customer base, and profit growth. I presented Mr. Smith with a SEO in the form of a MVP in which I used React/NextJS. Although the website is in its infancy, the statistics speak volumes. The results are that his business will see a potential 32% increase in profits once the site is launched and the site is virtually self maintaining which will save his business more money on the back end..
- As I was adding to and redesigning a Photographer's website with Test-Driven Development I exposed bugs in the inherited code base. I debugged and refactored the JavaScript functionality for a faster, smoother performance, and added MetaData to ensure increased visibility in online search results. I also optimized the original Images for faster load times. The result was a test audit that scored a 100% with performance, best practices, and SEO passed tests.

Junior Software Engineer, Coroutine, Boulder, CO (Remote)   September 2022 - November 2022
- The CTO for Coroutine asked me to develop an internal chat application to be used between teams in the company. I designed and developed "Aside" using Ruby on Rails, Stimulus, Hotwire, Turbo, and TailwindCSS along with documentation for its usage. The CTO stated that not only would "Aside" save time and add productivity, but that it also has a design suited for a social media app he's been looking to develop under the Coroutine brand.
- AARP, a client of Coroutine, requested that certain MetaData be automatically added upon updates to one of their websites. I was tasked with programming this feature. I collaborated with the CTO during pair programming sessions. Together we programmed this automation using the Ruby language. This new feature would ultimately save AARP time and money. Because we finished the project ahead of schedule, we were asked to take on another project for them which resulted in another 40 hours of billable time for Coroutine.
- When a Spinal Surgical Firm approached Coroutine with the task of Integrated OHIF (Open Health Imaging Foundation) Imaging Platform with the React Library, the challenge landed on my desk. OHIF is compatible with React.js version 16, however the task was to integrate it with React.js version 18, which (at the time) was not compatible. With 1 week to figure it out and present the working application, I used creative thinking, problem solving skills, troubleshooting skills, and documentation to solve the issue. By creating custom middleware with ExpressJS, I was able to accomplish the goal ahead of schedule.

EDUCATION

Complete React Developer in 2023 (w/ Redux, Hooks, GraphQL), Zero to Mastery Academy   January 2023
Web Development Certification, Vanderbilt University Boot Camp   May 2022