Patryk Barnas

patrykbarn@gmail.com | (708)-351-7684 | patrykbarnas.online | github.com/PattyBarnas

Skills

● Java	● MySQL
● Spring Boot	● Data Structures
● OOP	● Cypress / JUnit
● JavaScript / TypeScript	● CSS3
● React / Next.js	● Semantic HTML
● Node.js / Express	● Responsive Web Design
● Redux	● Git

Experience

Full-Stack Developer Internship, TheCommonsXR – San Diego, CA   11/2022 – 04/2023
- Tech Stack: WordPress, React, Nodejs, MySQL, Azure cloud services, Python, and GitHub.
- Engineered modular UI components and integrated Jest unit tests, reducing bug occurrences by 15% and enhancing code readability and maintainability.
- Enhanced the performance of a ReactPress site by 17% by refactoring UI components, optimizing content and functions adhering to best practices.
- Optimized accessibility by 23% following WCAG guidelines with semantic HTML, responsive UI layouts for phones, tablets, laptops, and desktops using flexbox.
- Collaborated with backend engineers implementing secure authentication and authorization protocols using OAuth JWT.
- Created encrypted web socket connectivity for real-time secure data exchange with Python backend app.
- Debugged WordPress staging site failures by refactoring back end PHP code.
- Produced clear documentation on accessibility, web sockets, authentication, and other implementations.
- Collaborated within a fast-paced and tight-knit team with a focus on quality and growth.

Projects

Dreamers Clothing Store   https://github.com/PattyBarnas/node-shop
- Created a full stack SPA for a clothing brand using React, React Router, Node.js, Express, MongoDB, Mongoose, Git and Styled Components.
- Developed robust e-commerce features which includes a cart (creating, editing, deleting) product, payment processing using Stripe.js API, authentication using JWT, data validation on client and server side.
- Applied the Model-View-Controller (MVC) architectural pattern for optimal code organization and maintainability.
- Built a RESTful API to interact with server / client using HTTP protocol methods and testing using Postman.
- Devised authentication protocols using JWT OAuth library.
- Integrated Stripe API for secure order processing and payments.

Maps   https://github.com/PattyBarnas
- Built a full-stack application using React.js, Redux, Node.js, Express.js, CSS modules, MongoDB integrated with Geolocation API.
- Implemented a feature enabling users to click on map converting coordinates into a pin on the map and allowing them to upload location details and photos.
- Added a file upload feature allowing users to securely upload images from their computer.

Library Management System   https://github.com/PattyBarnas
- Arranged in Python, Flask, and MySQL database.
- Devised the data schema to ensure optimal structure, functionality and maintainability.
- Incorporated a range of features including a robust search engine, book check-in/out processes, and efficient inventory updating mechanism.
- Set up REST API endpoints for HTTP methods to interact with the SQL database with status codes handling all states of application.
- Wrote SQL Queries that interacted with API endpoints storing, creating, updating, deleting data.

Education

Governors State University – Bachelor of Computer Science   05/2022
Moraine Valley Community College – Associates of Science   01/2018