

Raymond Bach

Frontend Engineer

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Experience

Pharmetika Pharmacy Solutions | Senior Support Engineer

July 2024 - Present

- Owned end to end development of order cancellation feature. Independently designed user journey and engineered frontend logic while considering and addressing edge cases and security
- Redesigned complex Vue dispensing interface using user sessions and heat map data to improve user efficiency
- Optimized the performance of a central feature by consolidating redundant JavaScript API requests and asynchronously offloading expensive data-fetching operations to deliver critical data 64% faster
- Reverse engineered legacy Perl and JavaScript to resolve critical production bugs

Navitus Health | IT Intern

June 2023 – August 2023

- Translated Figma mockups into a React dashboard using TypeScript and the Cloudscape design system
- Wrote defensive C# guard clauses to validate healthcare data across AWS SDK service wrappers
- Collaborated with cloud architect consultants to diagram and document an enterprise scale AWS feature

Projects

Vibes App | Interactive Music Discovery

In Progress

- Engineering a mobile application using React Native and Expo
- Developed serverless AWS Lambda backend to secure API credentials and handle external queries
- Integrating the SoundCloud API to dynamically fetch music data based on generated keywords
- Designed a professional gesture-driven UI in Figma, centered on real time user feedback

Follow the River | State-Driven Point Tracker

Dec 2023

- Built using React, Javascript, Material UI, and CSS
- Deployed a live build at raymondmsb.github.io/follow-the-river
- Built a centralized state management system using the React Context API

Shark Labz Supplements | Conversion Optimized E-commerce Solution

Jul 2024

- Full custom Shopify Liquid storefront
- Performant and responsive interactive features to create a professional and custom UX
- Utilized state of the art conversion techniques including sticky add to cart, intuitive user flow, and social proof

Skill Summary

- Frontend Proficiency: Vue, React, JavaScript, TypeScript, HTML5, CSS3, Sass, Tailwind CSS, Material UI (MUI), Cloudscape Design System, Responsive & Accessible UI
- HealthTech & Data: Pharmacy Workflow Digitization, Healthcare Data Validation, HIPAA-Compliant UI Patterns, FHIR API Integration, Electronic Health Record (EHR) Concepts, Perl, Surescripts
- Engineering & DevOps: Unit Testing, Web Performance Optimization, Chrome DevTools, Git/GitHub, AWS Lambda (Serverless), REST APIs, Peer Code Reviews
- Design & Tooling: UI/UX Design, Figma, Shopify Liquid, Agile/Scrum Methodology, Webflow, Technical Documentation, Full-Stack Troubleshooting

Education

Associate's in Applied Science - Front-End Developer Program | Madison College

Aug 2021 - May 2024