Aidan McAlister

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EXPERIENCE

Inner Armor - *Front End (Contract)*   *July 2024 - Current*

● Designed and implemented a high-performance front-end admin dashboard using Remix, TypeScript, Tailwind, and NextUI, replacing a legacy solution and significantly improving data visualization and user interaction resulting in 100% company-wide adoption and addressing previous usage decline.

● Collaborated closely with one other backend developer to integrate front-end features with backend services.

● Developed 10+ interactive graphs using Observable Plot and ShadCN, enabling users to perform comprehensive data analysis, cross-check information across various periods, and compare different categories

● Engineered custom components with NextUI, ShadCN, and AG Grid, for easy reusability anywhere in the app.

Elevate Digital Io - *Full Stack (Contract)*   *Jan 2024 - Current*

● Led the development of an advanced filter system using RedwoodJS and Tailwind, enabling efficient information retrieval on various topics.

● Engineered a suite of reusable components, substantially reducing code redundancy and accelerating development cycles while improving code maintainability

● Developed 10+ specialized CRUD interactions using Prisma and GraphQL. Each with 12 or more fields of all form types, focusing on efficient query calls and implementing data creation and update functionality.

● Utilized agile methodologies within the team leveraging, Linear to streamline project management and boost cross-functional collaboration

PROJECTS

WhatTodo - *https://github.com/aidankmcalister/WhatTodo* - *what-todo-akm.vercel.app*

● Architected a high-performance todo application using RedwoodJS, TypeScript, and TailwindCSS, leveraging Vercel for seamless deployment and optimal uptime, achieving a 96 Lighthouse Performance score.

● Achieved a 90 Lighthouse Accessibility score by designing an intuitive dark mode interface, to ensure an inclusive user experience.

● Integrated Auth0 for secure user authentication, implementing industry-standard security protocols to safeguard user data and prevent unauthorized access, resulting in a 100 Lighthouse Best Practices score.

● Optimized database queries and deployed efficient caching strategies, significantly reducing load times and improving overall application responsiveness, contributing to a 96 Lighthouse Performance score.

● Implemented SEO best practices, earning a 100 Lighthouse SEO score and reflecting high standards in web development and discoverability.

GigStack - *https://github.com/aidankmcalister/GigStack* - *gigstack.vercel.app*

● Created and launched a musician platform using RedwoodJS, Tailwind, Prisma, GraphQL, and TypeScript.

● Achieved a 92 Lighthouse Performance score by optimizing load times and responsiveness, ensuring a smooth user experience.

● Engineered a search and a multiselect filter system, allowing musicians to find relevant gigs based on instruments and creation date efficiently

● Developed a responsive, mobile-first UI using Tailwind CSS, ensuring seamless user experience across desktop and mobile devices, contributing to the platform's overall usability.

● Implemented comprehensive CRUD functionality for gig posts, enabling efficient management and organization of musician opportunities, which helped achieve a 100 Lighthouse Best Practices score.

● Followed SEO best practices, leading to a 100 Lighthouse SEO score, ensuring the platform is easily discoverable by search engines.

TECHNICAL SKILLS

TypeScript · JavaScript · React.js · RedwoodJS · GraphQL · Next.js · HTML5 · CSS · Tailwind · Git · Github · Python · Prisma · Remix.js

EDUCATION

Nucamp – Full Stack Development Bootcamp – *2023 - 2024*

● Completed an intensive Full Stack Development bootcamp, gaining experience in modern web technologies including JavaScript, React, Python, and database management, while gaining hands-on experience in building scalable, responsive web applications.

Tulsa School of Arts and Sciences – High School – *2018 - 2022*

● Actively participated in the STEM program, excelling in AP Physics and completing every computer science course offered