Adam Ridhwan

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SUMMARY

Proven talent for aligning creative business strategy and objectives with established software engineering and app development paradigms to achieve maximum operational impacts and user satisfaction. Growth-focused thought leader with expertise spanning web development, front and back-end software development, coding and code reviews, programming, and process optimization. Adept at leading and mentoring high-performing teams and translating complex business requirements into scalable and efficient technical solutions by applying marketing and management expertise. Proficient in Java, React, Node.js, MongoDB, and CSS, with demonstrated skill in enhancing user experience through UI/UX design. Exceptionally dedicated professional with keen interpersonal, communication, and organizational skills, as well as debugging, data structures, problem solving, and troubleshooting expertise.

EDUCATION

Master of Science, Software Development   Sep 2021 - May 2023
Boston University   *Boston, MA*

Bachelor of Music, Music Business   Sep 2017 - Aug 2021
Berklee College of Music   *Boston, MA*

WORK EXPERIENCE

Full Stack Software Engineer / Engineering Lead   May 2023 - Oct 2023
Geaux Network   *Boston, MA*

- Spearheaded the development of Geaux Network's frontend and backend TV streaming service using Next.js, NextAuth.js, and Tailwind CSS.
- Directed and mentored team of full-stack developer interns, organizing weekly meetings to review tasks, set objectives, and ensure timely milestone achievements.
- Conducted 1-on-1 check-ins with team members to monitor individual progress on tasks, ensuring team members felt empowered and on the right path toward project success.
- Developed a multi-step form allowing users to select products they wished to purchase from TV channels and implemented a database to manage user preferences, enabling data retrieval for both internal use and streamlined employee workflows.
- Identified and resolved bugs without assigned tasks, contributing to enhanced site design and usability with a focus on UI/UX improvements to create an enjoyable user experience.
- Responsible for maintaining code quality through thorough code reviews on pull requests.
- Ensured timely delivery of project milestones by overseeing the team's progress and addressing any challenges that arose during development.
- Demonstrated strong problem-solving and debugging skills, actively assisting team members in resolving issues.
- Completed pair programming sessions to collaboratively address challenges, fostering a supportive and collaborative team environment.
- Performed comprehensive code reviews for the team, prioritizing DRY (Don't Repeat Yourself) principles and long-term maintainability.
- Engaged in weekly team meetings, offering valuable feedback, suggestions, and collaboration on project planning and execution.
- Leveraged expertise in React and TypeScript to mentor interns, providing hands-on guidance and imparting foundational skills for modern web development.
- Experienced in Agile development methodologies, participating in sprint planning, daily stand-ups, and sprint reviews to ensure the timely delivery of high-quality software solutions.

PROJECT EXPERIENCE

Geaux TV (TV streaming app) | Website | GitHub

- Headed the development of a TV streaming platform with a focus on multicultural content, leveraging the capabilities of Next.js to deliver engaging user experience.
- Established authentication mechanisms using NextAuth.js, supporting both traditional email-password pairs and seamless Google authentication.
- Architected and managed a database infrastructure using MongoDB to store channel information and user data.
- Utilized Next.js, React, TypeScript, Tailwind, and MongoDB, to create a feature-rich TV streaming platform with a focus on innovation and user satisfaction.
- Demonstrated proficiency in creating a style-heavy design, ensuring a visually pleasing and engaging user experience.
- Applied extensive Tailwind styling to enhance the visual appeal of the website.
- Enhanced database functionality to fetch channel links, optimizing data retrieval and enhancing the overall performance of the image generator app.

PixelCraft (AI image generator app) | [Website](#) | [GitHub](#)
- Developed an image generator app using the OpenAI API and Next.js, enabling users to create unique images by entering prompts.
- Employed a user-friendly feature allowing users to publish AI-generated images to the community that facilitated sharing and collaboration within the platform.
- Utilized Cloudinary for efficient cloud-based storage of generated images, stored image links, user information, and prompts in a MongoDB database.
- Leveraged a diverse tech stack, including Next.js, React, TypeScript, Tailwind, and MongoDB, to build a powerful and versatile image generation platform.
- Generated images using the OpenAI app to connect to their API and retrieve images back into the application.

Pondero (Blog app) | [Website](#) | [GitHub](#)
- Employed Next.js, React, TypeScript, Tailwind, MongoDB, and Zod to design and implement a dynamic blogging platform, showcasing proficiency in a modern tech stack.
- Introduced the infinite scrolling functionality to dynamically load more blogs as users scrolled down the page, enhancing the overall user experience and engagement.
- Designed and integrated features for users to like, save, delete, and comment on each blog, fostering a highly interactive and engaging platform.
- Integrated Quill.js as a text editor to facilitate the writing and editing of blogs, ensuring a user-friendly and intuitive content creation experience.
- Introduced NextAuth.js with OAuth providers (Google, GitHub, Facebook) to enable secure authentication, allowing users to log in using their preferred credentials while maintaining personalized profiles.
- Optimized MongoDB as the primary database solution for backend data management. Employed a space-efficient approach by storing only ID keys inside arrays, minimizing document size and ensuring timely query performance.

Flair (Ecommerce app) | [Website](#) | [GitHub](#)
- Created an e-commerce application utilizing Next.js for server-side rendering and enhanced code reliability with TypeScript's type-checking, ensuring optimal performance.
- Utilized technical proficiencies in react, tailwind, sanity, and stripe to facilitate the application development process.
- Strategized the design and implementation of an improved checkout process **integrated with Stripe**, facilitating secure and efficient transaction processing for users.
- Incorporated server components to ensure rapid data loading, resulting in a smoother and more responsive user experience.
- Improved the sorting and functionalities for the products, generating an individual page for each product that included a gallery and size indication, as well as a cart function encompassing adding/deleting cart products and price calculations.

SKILLS

React, Next.js, TypeScript, MongoDB, CSS, Tailwind CSS, MySQL, HTML, Express, PostgreSQL, Firebase, Prisma, Java, Python, SQL, Debugging, Data Structures, Angular, SCSS, NextAuth.