

Adam Ridhwan

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EDUCATION

Boston University Master of Science, Software Development	Boston, MA Sep 2021 - May 2023
Berklee College of Music Bachelor of Music, Music Business	Boston, MA Sep 2017 - Aug 2021

EXPERIENCE

Software Engineer, Approachable Geek	Dec 2023 - Apr 2024
<ul style="list-style-type: none">Collaborated with a small, agile team on multiple app development projects, contributing to timeline estimation, coding, and both launch and post-launch maintenance phases.Applied advanced technical skills in Flutter for front-end development, with back-end integration using Firebase Firestore, Firebase Authentication, Firebase Cloud Storage, and Firebase Cloud Functions to ensure app functionality and security.Created reusable and documented UI components that match high-fidelity designs, enhancing interface efficiency and reducing development time, while adhering to UI/UX best practices to accelerate feature implementation.Implemented a Test-Driven Development (TDD) approach throughout all development phases, enhancing application quality and user experience, which involved rigorously writing new tests, resolving bugs, and deploying updates.Developed and implemented comprehensive testing protocols to meticulously assess all new functionalities, including the simulation of mock API calls, which ensures each feature's performance before integration.Engineered and implemented real-time update capabilities within applications, leveraging Firestore streams to achieve scalable and flexible database interactions, significantly improving the application's responsiveness and user experience.Wrote various backend functions using Firebase Functions, including cron jobs for scheduled tasks and triggers for document creation, update, and deletion, which offloaded processing from applications to the cloud.Implemented a backend cron function to create an automated PDF generation system, creating detailed invoices by retrieving data from a third-party API, which streamlines the process of creating invoices and reducing manual calculations.Developed a search component using Algolia with a suite of reusable UI, while enhancing user experience with features such as infinitely scrolling, dynamic loading skeletons and efficient result caching.	
Software Engineer, Geaux Network	May 2023 - Nov 2023
<ul style="list-style-type: none">Worked on developing the company's frontend and backend TV streaming service using React, Firebase, JavaScript.Led the comprehensive redesign of the streaming platform, adopting modern UI/UX practices to enhance visual appeal and functionality, while focusing on ensuring a seamless user experience that significantly improved user engagement.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.Proactively identified and resolved critical bugs independently that enhances site design and usability with targeted UI/UX improvements, that results in boosted overall site performance and user satisfaction.Ensured timely delivery of project milestones by overseeing the team's progress and addressing any challenges that arose during development.Conducted pair programming sessions to collaboratively address challenges, fostering a collaborative team environment.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.	

PROJECTS

Netflix Clone Website GitHub	
<ul style="list-style-type: none">Developed an extensive entertainment library featuring a diverse collection of movies and TV shows, with features such as dynamic image, modals, Next.js server components and server actions, with integrated dynamic content fetching from third party API, TMDB.	
Blog App Website GitHub	
<ul style="list-style-type: none">Employed Next.js, React, TypeScript, Tailwind, MongoDB, and Zod to design and implement a dynamic blogging platform, showcasing proficiency in a modern tech stack, with features for users to like, save, delete, and comment on each blog.	
Ecommerce App Website GitHub	
<ul style="list-style-type: none">Created an e-commerce application utilizing Next.js for server-side rendering and enhanced code reliability with TypeScript's type-checking, ensuring optimal performance.	

SKILLS

React.js, Next.js, TypeScript, JavaScript, Node.js, Java, Python, CSS, SCSS, Tailwind, AWS, MongoDB, Prisma, PostgreSQL, MySQL, Firebase, Vercel, Flutter, Dart, Data Structures, Algorithms, NextAuth, Redux, Zustand, Jotai.