

Ryley Keegan

[Github](#) | [Portfolio](#) | ryleykeegan47@gmail.com | 226-246-1332 | Windsor, ON (Willing to Relocate)

Experience

Software Engineer

July 2022 - Present

REMAX - Windsor, ON

- Integrated active property data into a dynamic server side rendered / static web application, with security & UI/UX in mind
- Made an Express js client that interacts with the Canadian Real Estate Association server, to query & store active listing data
- Utilized React, Next.js, & Firebase to produce a web application that displays active listings, with a featured property section
- Built a custom CRM, to store client information in a PostgreSQL database, to organize our team's client information. Which is directly integrated with the contact form in our web application, this has increased organization & client registrations by 28%
- Created an internal tool that incorporates authentication with Next-Auth, for agents to log into their CRM and manually perform CRUD operations on client details & send reminders . Each agent on average has saved 91% of annual CRM expenses

Software Engineer, Founder

June 2020 - July 2022

Key Canna Ltd. - Acquired in mid-late 2022 - Canada

- Created a secure online portal with authentication for B2B clients to schedule appointments with Google's Calendar API , send reminder Email/SMS notifications with Twilio, & set up a direct payment processing system with Stripe APIs
- Developed a HIPAA compliant Medical Records (EMR) application that syncs patient details between multiple Practitioners, allowing them to perform CRUD operations on the patient information & send appointment reminder notifications
- Designed a figma template for the UI of both applications & Implemented the UI/UX with React, prioritizing my team's needs to create a seamless experience & increased the charting efficiency of the Medical Practitioner team by 63%
- Collaborated with a team of 5 employees using Agile development practices and established critical communication and software engineering skills. Organized & implemented new features based upon the feedback of our clients & medical staff
- Consistently unit-tested our software for bugs and wrote documentation on the code for future maintenance and scalability

Projects

AI Image Generator - [Website](#) | [Github \(Front end\)](#) | [Github \(Back end\)](#)

August 2022 - Present

- Developed a RESTful API that interacts with a stable diffusion AI model to generate images based on a user's text input
- Designed & implemented the website that interacts with the RESTful API. Built with Typescript, React, Tailwind, NextJS
- Utilized a buffer to handle the raw image binary data and embedded it into the response headers, for user image downloads.
- Built a Docker container to deploy the API in AWS, developing more knowledge with Dockerfiles & server deployment
- The back-end is built with python & flask, incorporating the StabilityAI SDK. Deployed with a Docker container on AWS

Real Estate Application - [Website](#) | [Github \(Front-end\)](#) | [Github \(Back-end\)](#)

June 2022 - Present

- Developed a RESTful API that communicates with the CREA (Real Estate) Server, allowing me to pull active listing IDs & data
- Built a tool that interacts with the RESTful API client, requests active listings, and cleans the data for storage in a database
- Produced the website to request active-property data from our database, and display the listings in multiple categories
- The front-end is built with React, Nextjs, & CSS. The back-end is built with ExpressJS, Firebase cloud-functions & database

Education

Bachelor of Science, Computer Science - (GPA: 3.74)

University of London, Goldsmiths

- Courses: Data structures & algorithms, software design methodology, web applications & front-end design principles

Skills

Software: React, Typescript, Git, Tailwind, ExpressJS, NodeJS, ElectronJS, NextJS, Python, SQL, PostgreSQL, Flask, Linux, AWS, Docker, Twilio, Firebase, Javascript, CSS, HTML, Photoshop, Figma

References available upon request