

Henry Tan

Software Engineer

(347) 653-2393 New York, NY htan0705@gmail.com [PORTFOLIO](#) [GITHUB](#) [LINKEDIN](#) [ANGELIST](#)

SKILLS

LANGUAGES & TECHNOLOGIES: Javascript, Ruby, Python, SQL, HTML5, CSS3, React, Redux, Ruby on Rails, PostgreSQL, SQLite3, jQuery, Git, AWS, D3, Bootstrap, Node.js, Express, MongoDB, Mongoose, Heroku, Jest, Flask, Context

EXPERIENCE

[Black Spectacles](#)

Software Engineer

May 2022 - July 2024

- Led the transition from Expression Engine PHP to React/TypeScript, planning frontend project structure and scoping core features.
- Created a new self-serve checkout portal using React, TypeScript, and Material UI, replacing the legacy implementation.
- Designed and implemented new pages and reusable components for the marketing website using HubSpot, HubL, JavaScript, HTML, and CSS.
- Engineered internal admin tools with a frontend text editor for email template creation, utilizing Node.js/TypeScript for backend SQL updates to MySQL database.

Stealth Startup

Software Engineer

Dec 2020 - May 2022

- Implemented Chrome extension features using React and Material UI for smooth and responsive UI.
- Integrated Contentful as CMS to decouple the process of incorporating new break video content to non-technical members.
- Designed components with Context API for lightweight state management and to prevent prop drilling.
- Utilized Chrome extension's storage API to cache and persist user and extension data minimizing API requests.

PROJECTS

Henflix (*React, Redux, Ruby on Rails, and PostgreSQL*)

[live](#) | [github](#)

A bird-themed Netflix clone, media streaming platform, where users can sign up to stream TV shows and movies

- Implemented user authentication for user sign-in/sign-up using BCrypt hashing to protect personal information and custom model/controller-level validation to restrict video access to signed-in users.
- Optimized video fetching for efficient database calls by eager-loading AWS attachments and related content via Rails associations, avoiding N+1 queries and resulting in a faster user experience.
- Fetched videos and genres asynchronously, relying on Redux infrastructure and data-flow to populate custom React components with updated data for appropriate filtering and formatting, resulting in consistent and continuous presentation of video content.

Nutrify (*Javascript, Chart.js, and D3.js*)

[live](#) | [github](#)

A nutritional breakdown data visualization app that converts user input into nutritional data rendered in a donut chart and liquid fill gauges

- Filtered and formatted data fetched from API into specific nutritional categories, using Chart.js to render a donut graph to display the overall nutritional value in a user-friendly display.
- Restructured nutritional data into multiple liquid-filled gauges using SVG elements to better visualize the percentage of FDA recommended daily intake provided by the nutritional value of given ingredients.

EDUCATION

Web Development - App Academy

2019

12-week, rigorous 1000 hour full-stack programming bootcamp with less than 3% acceptance rate.

Computer Science Major- Hunter College

2014 - 2018