

PETER YOO | Full-Stack Software Engineer

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SUMMARY

I'm a Full-Stack Engineer and an artist who has worked professionally as a Storyboard Artist at Marvel Animation. Since graduating from General Assembly's bootcamp, I've built over a dozen projects using various technologies, including NextJS, TypeScript, Express, SQL and NoSQL databases, WebSockets, WebRTC architecture, OpenAI, and my current favorite stack, the T3 stack. I've also been actively involved with organizations such as Hack for LA, and I also led a cross-functional team of designers and devs in a 6-week Agile program to build a chat app with live video functionality.

TECHNICAL SKILLS

Front End | React, NextJS, JavaScript, TypeScript, Tailwind CSS, TanStack Query, Zustand, Redux, React Hook Form, Formik, Yup, Zod, nivo.rocks, dnd-kit, framer motion, jQuery, HTML5, CSS3

Back End | NodeJS, ExpressJS, Python, Django, PostgreSQL, Prisma, PlanetScale, MongoDB, Mongoose, REST, tRPC, Socket.IO, Peer.js

Testing/Deployment | Jest, React Testing Library

Developer Tools | VSCode, Docker, Git, Figma, Photoshop, Postman, Agile Methodologies, Jira, Trello, OpenAI

EXPERIENCE & PROJECTS

Full-Stack Software Engineer | PrepMeal AI | [GitHub](#) | [App](#) | [Demo](#)

Mar 2023 - Mar 2023

TypeScript | NextJS | tRPC | Zod | Prisma | TanStack Query | OpenAI | Tailwind CSS | NextAuth.js | PostgreSQL | dnd-kit | React Hook Form

An app that utilizes generative ai to generate recipes tailored to your exact caloric and macronutrient requirements.

- Utilized **OpenAI**'s API to generate a JSON response that conforms to the RFC8259 standard based on a given prompt schema.
- Developed end to end typesafe **tRPC** procedural functions on the server that were exposed as API endpoints on the client, allowing for seamless full CRUD operations.
- Implemented drag and drop functionality using **dnd-kit**, which enables users to reorder recipe cards or delete recipes from a state array by dragging them over a droppable container.
- Implemented a feature that prompts users to save any unsaved changes before leaving the page, providing the option to either save changes to the backend with a single click or leave the route without saving. This prevents accidental loss of data and ensures that users have the opportunity to save their work before navigating away from the page.

Full-Stack Software Engineer | Agile Development Program | TalkThru | [GitHub](#) | [App](#)

Remote, Jan 2023 - Mar 2023

TypeScript | Vite | Tailwind CSS | Socket IO | Peer.JS | React Hook Form | Zod | Express | Bcrypt | Jsonwebtoken | Prisma | PlanetScale | Agile Methodologies | Jira

A video chatting app designed to connect a user with compatible users based on shared subjects and expertise levels.

- Collaborated with 2 software engineers and 4 UX/UI designers for 6 weeks using **Agile** methodologies and the **Jira** software.
- Led tech stack selection and system design architecture for the engineering team.
- Established **GIT** control, commit practices, folder and file naming conventions, and **Prettier** settings for uniformity across all developer IDEs.
- Designed user authorization, **Socket.IO** events, **RESTful** APIs, and the matching algorithm based on subject and expertise levels.
- Utilized **React Hook Form** to design forms and implemented field validations using **Zod**.

Full-Stack Software Engineer | Nudoodle | [GitHub](#) | [App](#) | [Demo](#)

Dec 2022 - Jan 2023

TypeScript | NextJS | NextAuth | Tailwind CSS | TanStack Query | React Hook Form | Yup | MongoDB | Mongoose | Cloudinary | Canvas API | Figma | Postman

A social media platform for creating and sharing drawings, as well as liking and commenting on other user's drawings.

- Designed and implemented RESTful APIs utilizing **NextJS**'s serverless functions for CRUD operations on drawings, user interactions (likes and comments), and profile management. Utilized advanced techniques such as pagination for improved performance.
- Created a responsive, mobile- and desktop-friendly frontend from the ground up using **Figma** for design and **Tailwind CSS** for implementation, resulting in a highly interactive and user-friendly experience.
- Implemented forms using **React Hook Form** and **Yup** for robust form validation and error handling.
- Developed custom hooks for data management utilizing **TanStack Query**, including fetching, caching, updating, loading state management, and error handling.

Full-Stack Software Engineer | Tickersaver | [GitHub](#) | [App](#) | [Demo](#)

Nov 2022 - Dec 2022

TypeScript | NextJS | NextAuth | Tailwind CSS | TanStack Query | Formik | Yup | MongoDB | Mongoose | Finnhub Stock API | Cloudinary | Figma | Postman

A stock tracking app that allows users to search for stocks, add them to their dashboard, and track them in real-time with updates on daily winners and losers.

- Developed a feature that allows users to search and track specific stocks, utilizing a form with a search field, requests to the **Finnhub Stock API**, and displaying the retrieved information. Implemented the ability to save ticker symbols to **MongoDB**, and retrieve company information by using the saved ticker symbol in **MongoDB** as a parameter when making requests to **Finnhub's Stock API**. Displayed the information as cards on the dashboard.
- Designed and implemented RESTful APIs utilizing **NextJS**'s serverless functions for CRUD operations on ticker symbols.
- Implemented a feature that displays the top stock winner and loser of the day in real time by using the stocks saved on the user's dashboard, calculating their daily percentage change, and comparing the values to determine the highest and lowest. The top winner and loser are then prominently displayed on the dashboard.
- Implemented forms using **Formik** and **Yup** for robust form validation and error handling.

Front-End Software Engineer | Hack for LA

Remote, Oct 2022 - Dec 2022

- Contributed to the Hack for LA website by identifying and working on issues, and submitting and reviewing pull requests.

EDUCATION

General Assembly - Software Engineering Immersive

Remote, Apr 2022 - July 2022