

TROY MATHIS | Full Stack Software Engineer

Houston, TX 77489 (Open to relocation/remote) | troymathisdev@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

I'm a Full Stack Engineer and a teacher who has worked professionally as a tutor privately and commercially. Since graduating from General Assembly's bootcamp, I've built over a half-dozen web applications using various technologies, including React Express, MySQL and PostgreSQL databases, WebSockets, and my current favorite NextJS/Typescript. Currently I'm freelancing building websites for clients in the photography industry. I've also been actively involved with organizations such as Hack for LA, and have led cross-functional teams of designers and devs in hackathons using Agile methodology.

TECHNICAL SKILLS

- **Front End** | React, NextJS, JavaScript, TypeScript, Tailwind CSS, Redux, React Hook Form, Django, Zod, MUI, shadcn UI, RadixUI, GSAP, jQuery, HTML5, CSS3, SASS
- **Back End** | Node JS, Express JS, Python, PostgreSQL, Prisma, PlanetScale, MongoDB, Mongoose, REST, AWS S3, AJAX
- **Testing/Deployment** | Jest, React Testing Library
- **Developer Tools** | VSCode, Git, Figma, Photoshop, Thunder, Agile Methodologies, Trello

EXPERIENCE & PROJECTS

Full Stack Software Engineer | Hack for LA Expunge Assist Team | [Website](#) | Remote, Feb 2023 - Present Typescript | React
Software for offenders to create declaration letters to submit to judges for reduced or cleared sentences for nonviolent drug and cannabis convictions in California

- Contribute to the Expunge Assist website by implementing scalable solutions, identifying, debugging and working on issues; submitting requests and code reviews
- Built page components and routing logic using **Typescript** and **MUI** for Expunge Assist software that guides users through the letter writing process

Full-Stack Software Engineer | MacroSaver | [GitHub](#) | [App](#) | Aug 2023 - Sep 2023 TypeScript | NextJS | ESLint | Zod | Prisma | Tailwind CSS | NextAuth.js | MySQL | MUI/Radix UI | Google OAuth | Jsonwebtoken | Planetscale

An app that gives users the ability to track nutrients/macros for any given meal of the day!

- Utilized NextJS, ESLint and Typescript for routing and type-checking along with **NextAuth** to connect Google-created user accounts
- Developed typesafe forms where meals are verified before they're set to backend server (**Prisma MySQL**) and returns errors for user feedback
- Implemented CRUD functionality that prompts users to manipulate their meals in any way after or before creation
- Tracks macros through ingredient measurement, which are constantly being added to the **Planetscale** backend through built schema (Prisma)
- Styled dashboard and landing page fully in **Tailwind** and achieved light and dark mode with Next Themes

Full-Stack Software Engineer | General Assembly Summer Hackathon 2022 | ATMOS | [GitHub](#) | [App](#) | Remote, Jul 2022 React | MongoDB | Node.js | Express.js | AirVisual API | SASS *(Due to recent changes to AirVisual's API, website is down for the moment)*

A air quality index tracker app for US residents to track the air quality of their community while also receiving recommendations in relation to its severity

- Collaborated with 5 software engineers and 3 UX/UI designers for 4 days using **Agile** methodologies.
- 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 front-end landing page and air quality pages and achieved a caching **MongoDB** backend to limit AirVisual API calls

EDUCATION

General Assembly | Software Engineering Immersive Remote, Apr 2022 - July 2022

- Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Python, Javascript, HTML, CSS, SQL and multiple frameworks and libraries. Developed a portfolio for individual and group projects.

University of Houston | Mathematics/Computer Science | Houston, Aug 2018 - May 2021

- Completed 25 credits towards a B.S in Mathematics, and 8 credits towards a B.S in Computer Science, learned C++ and Python basics.