

Raffaele Cataldo

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*Full stack software developer creating intuitive user experiences, specializing in Next.js/TypeScript
Former violinist with a knack for working in harmony with a team*

Work Experience

Encore

May 2022-April 2023

Full Stack Developer

- Built end to end features for financial application, integrating with Stripe, Plaid, and Google APIs to create user flows for invoice creation and payment, as well as KYC steps for on-boarding users.
- Implemented state management with React Recoil, resulting in user interactions under 100ms.
- Migrate MVP (100,000 lines of code) from JavaScript to TypeScript, reducing null errors, improving maintainability
- Ensured accessibility through use of semantic HTML, keyboard navigability forms and UI elements, proper color contrast
- Increased application security by implementing rate-limiting on login forms using Redis, integrating NextAuth magic links for sign in, ensuring compliance with third party vendors.
- Developed robust API endpoints that interact with Prisma and MongoDB to perform CRUD operations on user data, send email invitations and notifications

Freelance Web Developer

May 2021-April 2022

- Developed landing pages for musicians/artist, creating mobile first designs and improving time to first paint when compared to their previous, no-code versions, resulting in more conversions
- Developed a Twilio phone-tree app for a criminal justice reform group, Straight Ahead, to improve prisoner support as well as fundraising communication, using Python Flask.

Volunteering

Sick in the City

June 2023 - Present

Software Engineer (Volunteer)

- Designed and developed a workplace accessibility survey app, using React/TypeScript for UK based non-profit Sick in the City, building accessible front end to complete the survey and backend secured with NextAuth
- Admin dashboard allowing for a comprehensive view of website analytics, survey responses, and other data using MongoDB, React, TypeScript, helping them improve outreach and understand their customer base.

Technical Skills

Languages: TypeScript, JavaScript, Python, Rust

Front End: React, Next.js, Redux, TailwindCSS, MaterialUI, CSS, HTML, JQuery

Back End: Node.js, Express, Flask

Databases: MongoDB, SQLite, Postgres

Tools: Git, GitHub, Linux, Vim

Personal Projects

Time Bandit

github.com/farmeroy/time-bandit

- Time management command line application built with Rust and SQLite. Designed for an easy workflow - start tasks, track time spent on task, view how much time was spent on specific aspects of the task. Also has a web front end with an API written in Rust/Axum.

Education

The Open University

BSc Honours Computer Science and Statistics

Oct 2021 - *in progress*

Languages

English (native) | German (advanced) | Spanish (advanced) | Italian (intermediate) | Turkish (intermediate)