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.
- Migrated code base from JavaScript to TypeScript, eliminating TypeErrors, improving maintainability
- 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, integrating email communication with SendGrid
- Ensured accessibility through use of semantic HTML, keyboard navigability forms and UI elements, proper color contrast

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 Sic 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, Recoil, TailwindCSS, MaterialUI, CSS, HTML
Back End: Node.js, Express, Flask, Axum Web
Databases: MongoDB, SQLite, Postgres
Tools: Git, GitHub, Linux, Vim, Jest, React Testing Library

Personal Projects

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. This project has a web front end with a REST API written in Rust/Axum using a Postgres Database.

Education

The Open University **Oct 2021 -** *in progress*
BScHonours Computer Science and Statistics

Languages

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