Raffaele Cataldo

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raffaelecataldo.com │ LinkedIn │ GitHub

Full stack software developer creating intuitive user experiences
Experience with early stage startups and working remotely

Work Experience

Radical Engineers   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, as well as an 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.

  Read case study: https://raffaelecataldo.com/case-studies/sic-app

Encore: Back-office solutions for Hollywood   May 2022-April 2023
Full Stack Developer

- Increased development speed and consistency across the app by designing and developing reusable UI components with React/NextJS and TypeScript
- Leveraged React Recoil for state management and React 18 Suspense to improve app performance and time to first render
- Increased application security by implementing rate-limiting on login forms using Redis.
- Designed and built multi-step forms, integrating with external APIs like Stripe, Dwolla, and Google Address.
- Migrated MVP from JavaScript to TypeScript to enhance the quality and scalability of the codebase
- Developed robust API endpoints that interact with Prisma and MongoDB to perform CRUD operations on user data

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.

Professional Violinist   January 2011 - May 2022

- Performed with and coordinated diverse, multi-national team members by managing rehearsals, bookings, and tour organization for ensembles of 3-7 people. Resolved creative differences and interpersonal conflicts between group members, effectively managing team dynamics to deliver exceptional performances

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

Synth App
synth-app.vercel.app

- Musical web app allowing the user to intuitively create musical loops and melodies, for fun or for use as a harmonic metronome for practice.
- Developed with TypeScript and Next.js, deployed to Vercel
- Visualization of sound wave using web canvas API

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.

Languages

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

Education

The Open University   **Oct 2021 -** *in progress*
BScHonours Computer Science and Statistics
Career Foundry   **Sept 2021-March 2022**
Fullstack Web Development Bootcamp

- 900 hours of project based learning. Received code review from industry professionals at Expensya and East African Power Company to refine skills
- Topics covered: Amazon Web Services, Google OAuth, React, Redux, Test Driven Development, RESTful API development, Express, NodeJS, Object Oriented Programming, CSS/Sass, MongoDB, Mongoose