Raffaele Cataldo

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Full stack software engineer
Passionate problem solver with an eye for design
Former violinist who knows the value of discipline and teamwork

Technical Skills

- TypeScript/Javascript
- HTML
- CSS/Tailwind/MaterialUI
- React/NextJS
- React Testing Library/Jest
- Recoil/Redux
- NodeJS/Express
- Python/Flask
- Git
- Rust/Tokio/Warp
- MongoDB
- SQL
- Twilio
- AWS lambda
- API development

Work Experience

WithEncore: Back-office solutions for Hollywood   May 2022-April 2023
Web Developer Contractor

- Increased development speed and consistency across 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

- Designed and built custom hooks to streamline multi-step form implementation, state persistence, and user feedback, resulting in increased development speed and maintainability of the codebase

- 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

- Implemented rate-limiting on login forms using Redis, increasing application security.

- Developed UI features according to figma designs in a timely manner, such as: nav bar that renders options based on permissions, forms for sending payment information, forms for creating invoices, address forms using GooglePlacesAPI for autocomplete, and others.

- Contributed to decisions regarding architecture, data models and design with other developers and startup founders.

Freelance Web Developer   May 2021-April 2022

- Translated client specifications into beautiful yet simple landing pages for musicians and artists: (http://lordyouth.com, http://goodnightcircus.com/, http://www.gothclub.wtf/)

Professional Violinist   January 2011 - May 2022
Jazz Violinist, Band Leader, Teacher

- Performed at festivals, clubs, television programs, and private events (corporate parties, weddings, etc.) with various jazz and folk ensembles, resulting in repeat bookings and positive reviews

- Successfully coordinated diverse, multicultural, and multi-language 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

Volunteer Activities

Radical Engineers   **March 2022 - Present**
Software Engineer

- Designed and developed a workplace accessibility survey fullstack app for UK based non-profit helping them improve outreach and understand their customer base: https://quiz.sicofficial.co.uk
    - Created a custom CMS for the company to easily edit the survey questions
    - Designed data models that allow for efficient data manipulation
    - Visualization backend allowing for a comprehensive view of website analytics, survey responses, providing immediate
- Developed a Twilio/Python Flask phone-tree app for a prisoner's rights group, Straight Ahead, to improve prisoner support as well as fundraising communication

Languages

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

Education

Career Foundry   **Sept 2021-March 2022**
Fullstack Web Developement 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
- Projects:
    - MeetApp: a progressive web app that allows users to search for upcoming web-development workshops in their city, as well as view data related to what kind of events occur in which places. The events are loaded from Google Calendar API and the user also signs in with Google. The app features a serverless back-end (AWS Lambda).
    - Pre-Code-Flix: a full stack web app that allows users to create an account, log in, and browse a database of early Hollywood films. Users can like and unlike films, as well as read more about the genres and directors, and find other movies that might match their interests.The front end is built with React, and the back end is an Express.js REST API that accesses a non-relational database (MongoDB).