Raffaele Cataldo

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Front End focused, Full stack software developer specializing in Next.js/TypeScript
Passionate about crafting elegant software solutions for real world problems
Experience with early stage, remote startups.

Work Experience

Inabia   **January 2024-Sept. 2024**
Next.js Developer (Software Engineer Contractor at Consumer 51)

- Lead the Next.js development for HIPAA compliant medical records application, mentoring teammates on usage Next.js APIs, leveraging React Server Components and Next.js App Router for efficient data fetching and mutating, filtering and pagination.
- Reduced endpoint response times by 75% by parallelizing API calls and eliminating duplicated queries in backend.
- Spearheaded automated testing of the front end, reducing engineer time in manual testing by 60% and improving confidence when delivering new features.
- Created UI component for managing dockable in-app windows, utilizing React Context and useReducer APIs, allowing users to update and create medical records while navigating through other in-app pages to search for relevant patient information.
- Developed back end features using PHP/Laravel backend as well as Next.js server actions.

Encore   **May 2022-April 2023**
Full Stack Developer

- Built end to end features for financial application, using Next.js (pages router), 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.
- 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.
- Implemented state management with React Recoil, resulting in user interactions under 100ms.
- Developed robust API endpoints that interact with Prisma and MongoDB to perform CRUD operations on user data, integrating email communication with SendGrid

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

Freelance

Sick in the City   **June 2023 - August 2023**
Software Engineer

- Designed and developed a workplace 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 (quiz.sicofficial.co.uk)
- Admin dashboard allowing for a comprehensive view of website analytics, survey responses, and other data using MongoDB, React, TypeScript, helping Sick in the City improve outreach and understand their customer base.

Technical Skills

Languages: TypeScript, JavaScript, Python, Rust, Java
Front End: React, Next.js, Redux, Recoil, Tailwind, Material UI, CSS, HTML
Back End: Node.js, Express, Laravel, Flask, Axum Web
Databases: MongoDB, MySQL, SQLite, Postgres
Tools: Git, GitHub, Linux, Docker, Vim, Jest, Zod, Prisma, React Testing Library

Personal Projects

International Clock
clock.raffaelecataldo.com

- A web app to display local times at any location. User searches for a location using the Open Street Map Nominatum API. Then a request is sent to an AWS Lambda function that calculates the time zone based on the longitude/latitude co-ordinates. Uses Github actions to handle CI, deployments to AWS and cache invalidation.

- Backend built with Rust on AWS Lambda for super fast request times (under 2ms when warm).(github.com/farmeroy/time-zone-api)

- Frontend built with React, hosted on AWS through S3 and Cloudfront (github.com/farmeroy/intl-clock)

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.

Education

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

Career Foundry   **Sept 2021-March 2022**
Fullstack Web Development Bootcamp

Languages

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