

Raffaele Cataldo

(707)409-8076 | raffaelecataldo.dev@gmail.com | raffaelecataldo.com | [LinkedIn](#) | [GitHub](#)

*Full Stack Developer specializing in Next.js/TypeScript applications for regulated industries.
Proven track record delivering secure, high-performance solutions with distributed teams across time zones.*

Work Experience

Inabia

January 2024-Sept. 2024

Next.js Developer (Software Engineer Contractor at Consumer 51)

- Led frontend development of HIPAA-compliant medical records system while mentoring 2 developers on Next.js APIs, React Server Components, and advanced TypeScript patterns
- Reduced API response times by 75% through query parallelization and elimination of redundant backend calls, improving medical staff workflow efficiency by optimizing high-volume patient record queries
- Implemented comprehensive front-end testing strategy reducing QA time by 60% while increasing deployment confidence through automated integration tests
- Architected dockable multi-window system enabling simultaneous viewing of patient records, significantly reducing context switching for medical staff
- Delivered full-stack features using PHP/Laravel backend and Next.js server actions, ensuring consistent data handling across the application

Encore

May 2022-April 2023

Full Stack Developer

- Architected secure payment flows integrating Stripe and Plaid APIs, implementing KYC workflows and ensuring PCI compliance
- Led TypeScript migration of 10K+ line financial application codebase, implementing strict type checking and complex generic types, resulting in 90
- Enhanced application security through Redis-based rate-limiting and NextAuth magic link authentication, meeting financial industry security requirements
- Built high-performance state management system using React Recoil, achieving consistent sub-100ms user interactions
- Engineered secure vendor onboarding flow allowing users to request sensitive tax and payment information from contacts, implementing automated email notifications and secure document upload capabilities while maintaining data privacy

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 Sick 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

BSc Honours Computer Science and Statistics

Oct 2021 - *in progress*

Career Foundry

Fullstack Web Development Bootcamp

Sept 2021-March 2022

Languages

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