

Francis Cawog

FULL STACK SOFTWARE ENGINEER

FrancisCawog@gmail.com | 347-893-1770 • [Linkedin](#) • [Github](#) • [Portfolio](#) • Brooklyn, NY

TECHNICAL SKILLS • React • Rails • Express • Ruby • Python • JavaScript • Redux • CSS • HTML • SQL • AWS • Node.js • MongoDB • Mongoose • PostgreSQL

RELEVANT SKILLS • Adobe Lightroom • Adobe Photoshop • Premiere Pro • Fluent in Arabic • Basic French

EXPERIENCE

Site Reliability Engineer (Contract) • *Sendblue* • Brooklyn, NY

01/2025 – Present

Express • React • JavaScript • SQL

- Optimized and maintained Express backend services, ensuring high availability and efficient request handling while improving reliability under increasing user traffic.
- Improved database performance and query efficiency in SQL databases, reducing latency and optimizing indexing strategies.
- Maintained and optimized the data center infrastructure, troubleshooting issues and ensuring system reliability while scaling operations by **65%**.

Sales Advisor • *Best Buy* • Brooklyn, NY

09/2020 – 05/2022

Pharmacy Technician • *Bridge Pharmacy* • Brooklyn, NY

06/2014 – 07/2019

PROJECTS

WORLD OF HOSTELS | [Github](#) | [Live Demo](#)

React • Redux • Ruby on Rails • PostgreSQL • ActiveRecord

- Engineered Ruby on Rails migrations to create schemas for backend operations with custom methods using ActiveRecord to communicate effectively with my PostgreSQL database.
- Developed a secure custom user authentication system using BCrypt Hashing, session tokens, and password digest in the backend, complemented by React auth routes in the frontend. Ensured the secure storage of user password information and restricted access to individual user data.
- Utilized React in conjunction with Redux for frontend development, establishing a robust state management system that facilitated smooth data flow to the backend API.

PACER - Backend Lead | [Github](#) | [Live Demo](#)

MongoDB • Google Maps API • React • Redux • Express.js

- Created custom validations, models, and routes using Express.js on the backend to ensure comprehensive CRUD functionality for events.
- Integrated the Google Maps API to offer users accurate location services, enabling real-time precision in setting event locations.
- Made use of Redux's single-state management in tandem with React, incorporating dynamic CSS to enable users to join, express interest in, and create personalized events seamlessly.

GEO PATH FINDER | [Github](#) | [Live Demo](#)

Javascript • CSS • HTML • RESTful API • World Atlas API

- Employed vanilla JavaScript to seamlessly integrate data from both RESTful and World Atlas APIs, consolidating information into a unified dataset. This comprehensive dataset defined over 150 country geometries, border specifics, accurate country names, cca3 codes, and precise independence details.
- Executed 3 separate Breadth-First Searches algorithms to effectively navigate through the merged dataset's borders. This enabled verification of user-inputted countries for connectivity and facilitated the identification of the shortest path between the selected start and end countries.
- Crafted an engaging and seamless user interface and experience by employing CSS and HTML, enhancing usability and visual appeal.

EDUCATION

APP ACADEMY • Full Stack Web Development

Completed 12/2023

City University of New York - Hunter College • *B.A in Human Biology* • New York, New York

Graduated 12/2019