

# FRANCIS CAWOG

## FULL STACK SOFTWARE ENGINEER

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**TECHNICAL SKILLS** JavaScript • Ruby • React • Redux • Ruby on Rails • HTML • CSS • Express • PostgreSQL • AWS • GIT • Postman • npm • Node.js • MongoDB • Mongoose • JBuilder

**RELEVANT SKILLS** • Adobe Lightroom • Adobe Photoshop • Premiere Pro • Fluent in Arabic

## PROJECTS

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### 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.
- Incorporated JBuilder for seamless communication between the JavaScript frontend and Ruby controllers in the backend, ensuring smooth integration between the two technologies.
- 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 | [Github](#) | [Live Demo](#)

*MongoDB • Mongoose • 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.
- Implemented Mongoose ORM to enable seamless interaction between frontend users and the MongoDB API, ensuring manipulation of specific user and event data with proper access permissions.
- 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](#)

*Vanilla 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.

## EXPERIENCE

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### Sales Advisor • Best Buy • Brooklyn, NY

**09/2020 – 05/2022**

- Distinguished as a top-performing leader at Best Buy, excelling in two pivotal metrics: Total Tech sales and BBCC application. Averaged 5 hours per sale for Total Tech sales and 4 hours per sale for BBCC application.
- Played a key role in training new employees, imparting expertise in selling memberships, navigating the POS system, and sharing in-depth product knowledge.
- Specialized in the PCHO department, consistently achieving annual sales exceeding \$750,000, showcasing exceptional sales proficiency and product expertise.

### Pharmacy Technician • Bridge Pharmacy • Brooklyn, NY

**06/2014 – 07/2019**

- Achieved monthly cost reductions of up to \$1500 by meticulously sourcing medications from diverse wholesalers, ensuring cost-effectiveness.
- Effectively communicated with insurance companies, facilitating successful patient claims processing to streamline the reimbursement process.
- Demonstrated exceptional efficiency by accurately counting and fulfilling prescriptions, managing up to 30 prescriptions per hour with precision and attention to detail.

## EDUCATION

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### 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**