Oscar A. Romero Barbosa

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EXPERIENCE

Involve LLC -> *Front-End Intern*   March 2024 – April 2024

- Redesigned UI/UX for Laravel-based web applications, improving usability and responsiveness.
- Optimized front-end performance and accessibility for a better user experience.
- Collaborated on code versioning and team workflows using Bitbucket.

Raytheon UAS University Innovation Project -> *Software Engineer*   *January 2024 – March 2024*

- Developed Python scripts for autopilot functionalities in drones and autonomous vehicles.
- Programmed and configured a Raspberry Pi using Ubuntu to interface with drone hardware for real-time control and telemetry.

PROJECTS

Chill's Restaurant: Collaborative Project (Project Link **)** -> *Backend Developer*
C# | ASP.NET MVC | EntityFramework | SQL Server | ASP Identity

- Developed role-based access control for Admin, Employee, Kitchen Staff, and Clients.
- Implemented secure authentication and authorization systems (Login, Sign Up).
- Designed and developed CRUD functionalities for menu and order management.
- Deployed the web application to Microsoft Azure, enabling public access and real-time testing.

Borinquen Picks: Travel Recommendations App (Project Link **)**
Kotlin | Jetpack Compose | MVVM Architecture | Firebase | Coil | Material Design

- Developed a Puerto Rico travel recommendation app with categorized listings for local attractions.
- Created responsive UI with dark/light theme support using Jetpack Compose.
- Integrated Firebase for content storage and Coil for asynchronous image loading.
- Implemented MVVM architecture for clean code separation and maintainability.

Chef Claude: AI-Powered Recipe Generation Web Application (Project Link **)**
TypeScript | React | Tailwind CSS | Claude AI API

- Built a web app that generates AI-powered recipe suggestions based on user-provided ingredients.
- Integrated serverless API routes, validated data with Zod.
- Deployed a production-ready version using Vercel.

TimeTunes: Dynamic Playlist Generator from Billboard Charts (Project Link **)**
TypeScript | Nextjs | Tailwind CSS | WebScraping | Spotify API | Vercel

- Integrated Spotify OAuth2 for user login and playlist creation.
- Scraped Billboard Hot 100 chart website to fetch popular songs.
- Built serverless API routes for song processing and playlist generation.
- Deployed full-stack application using Vercel for public access.

SKILLS

Programming Languages: C#, Python, TypeScript, Kotlin, SQL
Front-End: HTML, CSS, React, TailwindCSS
Back-End: ASP.NET, Flask
Databases: SQL Server, MySQL
Tools: Git, Github, Github Copilot, Postman
Languages: Spanish (native), English (intermediate level)

EDUCATION / CERTIFICATIONS

Bachelor of Science in Computer Science   *August 2020 - May 2024*
Inter American University of Puerto Rico, Bayamon Campus

Google Cybersecurity Professional Certificate   *July 2024 - August 2024*
Coursera