

Carlos Miguel I. Sandrino

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Objective

Motivated IT graduate passionate about full-stack web and mobile development. Skilled in modern programming technologies, basic system and application troubleshooting, problem-solving, and project collaboration. Eager to contribute to innovative teams and grow professionally in a dynamic tech environment.

Education

Bachelor of Science in Information Technology

Bicol University Polangui Campus (June 2020 - July 2024)

GWA: 1.68

Technical Skills

Frontend: HTML5, CSS3, Bootstrap, JavaScript, React, Tailwind CSS, Next.js, Flutter (Dart)

Backend: PHP, REST API, Supabase, Firebase, Node.js

Database: MySQL, PostgreSQL

Tools & Technologies: Git, GitHub, XAMPP, Figma, Shadcn/UI, Framer Motion

Others: Microsoft Office, Basic Adobe Photoshop & Illustrator, Canva, CapCut

Projects

Byte & Brew - Digital Loyalty Card System

React, TypeScript, Tailwind CSS, Supabase, PostgreSQL

- Developed a QR-based rewards system for 9Bars Coffee.
- Built dashboards for customers and admins with transaction tracking and analytics.
- Integrated RFID reading through a web interface.

EDUTrack - Student Location Tracking App

Flutter (Dart), Firebase

- Created a mobile app that allows teachers to monitor students in real time within school grounds.
- Added geofencing and emergency alert capabilities.

Water Level Monitoring System

HTML, Bootstrap, PHP, Flutter, Arduino, REST API

- Built a web and mobile app that uses Arduino sensors to detect and report flood risk in real-time.
- Sends alerts and displays current water levels for emergency readiness.

MarJuan Apartment Management System

PHP, JavaScript, MySQL, HTML/CSS, Bootstrap

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- Designed a web-based system for apartment management, tenant tracking, inventory, and POS features.
- Implemented full CRUD functionality and basic automation tools.

Soft Skills

- Team Collaboration
- Problem Solving
- Adaptability & Multitasking
- Technical Troubleshooting