CHRISTIAN SERRANO

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TECHNICAL SKILLS

Programming Languages: HTML/CSS, Java, JavaScript, GDScript, C#, C++, PHP, Dart, JavaFX

Frameworks: React, JavaFX, Express.js, Flutter

Tools: Git, GitHub, VS Code, XAMPP, Node.js, Figma, Godot Engine, NetBeans

Databases & Cloud Services: MySQL, Firebase, Firestore

Design & Multimedia: Adobe Photoshop, Illustrator, Animate, Aseprite

EDUCATION

University of Caloocan City - North Caloocan City

Bachelor of Science in Computer Science | 2022 - 2026

Young Achievers School of Caloocan Inc. - North Caloocan City

Senior High School - STEM Strand | 2020 - 2022

EXPERIENCE

Full Stack Developer - Chix Mo Unli

Client-based Project | Sep 2024 - Dec 2024

Tech Stack: Dart, Flutter, Firebase, Android Studio

- Developed a restaurant management system with features including POS, inventory, and calendar-based stock tracking. -
Enabled staff to manage simultaneous orders using digital order tickets, improving kitchen coordination.

- Integrated expense tracking with receipt uploads and detailed sales reporting.

- Designed user roles and access permissions for admin and staff with real-time monitoring capabilities.

PROJECTS

Codestacle - Developer / Asset Creator
Dec 2024 - Apr 2025
Tech Stack: GDScript, Godot Engine, Aseprite

- Created an educational 2D platformer that teaches programming fundamentals through gameplay. -
Visualized programming logic (loops, conditions, variables) as in-game mechanics.
- Designed levels and puzzles that promote logical thinking in a gamified way.

- Focused on accessible and intuitive design for beginners with no coding background.

Role-Specific POS System – UIntegrator
Sep 2024 - Dec 2024
Tech Stack: Java, JavaFX, NetBeans, SceneBuilder, MySQL, Figma

- Developed a POS system with role-based access for cashiers, kitchen staff, and managers. -
Implemented item customization features (size, sugar level, add-ons, special requests).
- Built a kitchen interface for real-time order tracking and live updates.

- Designed UI in Figma and implemented it using JavaFX with integrated backend logic.

IoT-SmartGlow-Lamp – Web Integration Developer
 Sep 2024 – Dec 2024
 Tech Stack: JavaScript, HTML, CSS, React, ESP32, JSON, HTTP, Axios

- Developed a React web interface to control an LED light connected to an ESP32 microcontroller.

- Used buttons in the LightControl component to toggle the light on/off and a color picker for changing LED colors.

- Integrated front-end and ESP32 through HTTP requests with JSON to send selected color hex codes.

- Utilized Axios for handling API requests between the React app and microcontroller.

- Ensured smooth, real-time communication between the website and hardware for responsive user control.