

CARLOS ANTHONY C. CABAYA

Software Developer

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SKILLS

Languages & Frameworks:	PHP (Laravel), Java, JavaScript, Python, C++ (Arduino IDE), Flutter, VB.NET
Databases:	MySQL, Firebase
Tools & Platforms:	Git, XAMPP, VS Code, Android Studio, Laragon
IoT & Embedded Systems:	C++ (Arduino IDE), Python
Other:	WordPress

PROJECTS

Clinic Information Management System (VB.NET + MySQL) | Nov 2021 - Dec 2021

- Developed patient check-in, medication logs, and inventory tracking system.
- Implemented automated PDF reporting features.

Grocery Mart E-commerce Website (WordPress + WooCommerce + PayPal) | Sep 2023 - Dec 2023

- Built and deployed an online store with product listings, cart, and payment integration.
- Configured shipping rules and managed end-to-end order processing.

Embedded System: Automated Egg Incubator (Android + IoT) | Sep 2023 - Dec 2023

- Designed mobile app for real-time temperature and humidity monitoring.
- Integrated safety features and IoT device control.

Capstone: Conveyor MangoQ: AI-Based Mango Quality Detection & Sorting (IoT Arduino IDE + Android Studio + 3D Design) | August 2024 - Mar 2025

- Developed a mobile application to record and display real-time data on sorted mangoes.
- Integrated IoT components: programmed servos for the sorter push arm and connected a load cell sensor to weigh mangoes for size-based automated sorting.
- Designed a 3D prototype to visualize the actual system structure and demonstrate functional workflow.

Freelance: Automatic Fish Feeder (Flutter App + ESP32 IoT) | July 2025

- Built a Flutter mobile app and ESP32 firmware for remote scheduling and automated feeding.
- Implemented real-time sync using Firebase Realtime Database and stepper motor control for precise dispensing. Improved feed reliability and remote monitoring.

Github: <https://github.com/Anthony-Cabaya/Feed-Fish-Application.git>

EXPERIENCE

Web Developer Intern – Neksjob Philippines | January 2024 - March 2024

- Contributed to the development of Neksjob.com, focusing on improving design features and resolving minor bugs.
 - Worked with the Laravel framework as the core technology and utilized Git Bash for version control to ensure smooth collaboration.
 - Set up and optimized Laragon as a local development environment, streamlining testing and accelerating the development process.
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EDUCATION

Bachelor of Science in Computer Engineering

Rizal Technological University Pasig Campus 2025