

Louise Klyde Caloyloy

Email | louiseklydecaloyloy05@gmail.com | Philippines, Mindanao Zamboanga Del Sur

Summary

I am a **Full-Stack Software Engineer and IoT Developer**. A co-founder of [NanoPrograms](#) Software Service company, I specialize in developing software applications and IoT projects that meet the client needs. My expertise lies in seamlessly integrating technology to improve efficiency and performance. I take pride in my ability to understand client requirements and deliver reliable, user-friendly products that drive results. Whether you need a custom application or an innovative IoT solution, I bring a proactive approach and a commitment to excellence.

Education

Western Mindanao State University | Philippines, Mindanao Zamboanga Del Sur
BS Computer Engineering | 06/2027

- **C++ Champion** in Department ICPEP Coding Challenge 2024
- **C++ 1st Runner-Up** - Regional ICPEP Coding Challenge 2024
- **AI Electronics Embensyon** 1st Runner Up 2025
- **C++ Champion** in Department ICPEP Coding Challenge on my 2025
- **Game Jam Competition** - 1st Runner Up 2025
- **C++ 1st Runner-Up** in Department ICPEP Coding Challenge 2025
- **Champion** in **Engbensyon** Software Engineering + MIS 2026
- **Technopreneurship Embensyon** 1st Runner Up 2026
- **ICPEP OLYMPIADS WEBDESIGN** 1st Runner Up 2026
- **Public Relations Officer 2026 – ICpEP:** Manages external communications, official announcements, media outreach, and community engagement.
- **Technical Committee Head 2026:** Leads technical infrastructure operations, system setups, hardware/software troubleshooting, and digital execution for events, workshops, and organizational initiatives.

Skills

Software Development, UI Design, UX Design, Programming, Problem Solving, Web Development, Time management, Communication skills, Computer literacy, ReactJS, React Native, Node.js, Electron, NextJS

Work Experience

Nano Programs | Philippines, Zamboanga City
Software Developer | 05/2024 - Present

- **Co-Founder:** DTI-registered software services startup specializing in custom technology solutions. Proven track record of guiding projects from initial concept to successful deployment, ensuring clients achieve their business goals.

Freelance | Zamboanga City
Full Stack Software Engineer | 08/2024 - Present

- Delivered custom IoT and software solutions for more than 8 clients, successfully meeting technical requirements for commercial applications, academic research, and capstone projects.

Projects

Commissioned:

- **EOS: Online Game Website:** An interactive gaming platform featuring user authentication, player dashboards, leaderboards, and community hubs for real-time player engagement.
- **Gabay SNED: Desktop and Mobile App** An accessible cross-platform educational application tailored for Special Education (SNED) teachers, parents, and students to track learning progress, manage individual education plans, and facilitate communication.
- **Jeepney: JEEP Online Map Count Tracking** A transit monitoring system that tracks live jeepney locations and passenger capacity on a digital map, providing real-time visibility for commuters and route management for operators.

- **AquaNex:** An IoT and AI-driven aquaculture solution that boosts sustainable Bangus (milkfish) production by combining Raspberry Pi 5 sensor monitoring for water quality, computer vision for security, and a React Native mobile app for live alerts and device automation.
- **ShroomTech:** An automated greenhouse system for oyster mushroom farming that regulates environmental conditions (humidity, temperature, light) and utilizes YOLOv5 computer vision to detect growth stages and assess crop quality.
- **Prime Project Planner:** An all-in-one productivity application built to organize workflows, automate resource allocation, and monitor real-time project costs and milestones.
- **Truck Borrowing System:** A fleet management application designed to handle vehicle request workflows, maintain borrower logs, monitor vehicle conditions, and streamline reservation approvals.
- **Scheduling System:** An automated administrative timetable generator built to resolve scheduling conflicts, allocate facilities and resources efficiently, and manage user access permissions.
- **Kwenturo: Choice-based Story Game for Mobile** A mobile narrative game featuring branching story arcs where player choices directly impact character relationships, story progression, and final outcomes.

Personal Projects:

- **Fidgi: Expense Budget Tracker** A personal finance management application designed to simplify daily expense logging, set customized monthly budgets, track financial goals, and deliver visual insights into spending habits.

Languages

English, Filipino, Cebuano