

LOUIE DALE F. CERVERA

Antique, Philippines · louiedalecervera@gmail.com · +63 976 383 1092
github.com/cezro · linkedin.com/in/louie-dale-cervera

SUMMARY

Software Engineer and BS Software Engineering graduate (Aug. 2026) specializing in backend systems, platform integrations, and applied computer vision. Builds AI chat integrations, IoT hardware–software platforms, GIS tooling, and automated workflow pipelines. Co-founder and technical lead across multiple startups, including one recognized under the DICT STEP UP incubation program.

EDUCATION

BS Software Engineering, Central Philippine University

Aug 2026

EXPERIENCE

Co-Founder & Lead Integrations Engineer, OZ Tech

Apr 2025 – Present

- Played a central role in shaping the integration architecture for Mentoria AI Chat and built automated workflow pipelines on self-hosted n8n and GoHighLevel.
- Built custom Discord bots via the Discord Developer Portal, handling bot registration, permissions/intents, and slash command deployment.
- Integrated the Meta API for WhatsApp to automate contact tagging in GoHighLevel.

Software Engineer, Xzen Tech Solutions

Nov 2025 – Present

- Contributed to the company's 6+ app product suite, several integrating machine learning, including Cartman PH (delivery logistics, GIS mapping and routing), XZEN Connect (talent marketplace, AI matching and escrow), XTS Web (engineering services and hardware e-commerce), RoboGuide (IoT learning hub), Proxima LMS (robotics LMS), and StatSmart (AI statistics assistant).

Lead Developer, NeoPark

Jun 2025 – Present

- Directed technical strategy for an IoT-enabled parking management platform; Top 5 contestant at PAES Pitch PH 2025.

Full-Stack Developer, EarthRanger (Rare.org)

May 2025 – Aug 2025

- Built geolocation and GIS features for a conservation-analytics dashboard deployed across 750+ sites tracking 23,000+ animals.

Lead Developer, DTI Hablon Simulation Application (Habol)

Sep 2024 – Jun 2025

- Built an Android app resolving color-matching discrepancies between weave designers and weavers for the DTI Iloilo Chapter.

Co-Founder & Full-Stack Developer, UniHub

Apr 2023 – Feb 2024

- Engineered a university online marketplace; selected for DICT's STEP UP incubation program (1 of 11 in Western Visayas).

KEY PROJECT

Get Gains: Automated Post-set Feedback Workout Tracker

Undergraduate Thesis

- Built an offline-first Android app giving post-set kinematic form feedback within 20 seconds, using Dynamic Time Warping on pose data from on-device MediaPipe / ML Kit, with Unity-rendered 3D avatar comparison.

TECHNICAL SKILLS

- **Backend & Integrations:** Node.js, Express.js, NestJS, REST APIs, PostgreSQL, Supabase, Firebase, n8n, GoHighLevel
- **AI/CV & IoT:** MediaPipe, ML Kit, Dynamic Time Warping, LLM orchestration, agentic development, Gemini/OpenAI APIs, Arduino, embedded systems
- **GIS, Mobile & Frontend:** Mapbox, Leaflet, Next.js, React Native, Flutter, Unity (UaaL)
- **Infrastructure:** Git, GitHub, GCP, Vercel, Docker, CI/CD · **Languages:** English, Tagalog · **Soft Skills:** Critical thinking, fast learning

CERTIFICATIONS

Claude Certifications (Anthropic): Introduction to Model Context Protocol, Introduction to Agent Skills, Building with the Claude API · Coursera: AI Fundamentals, AI for Research and Insights, AI for Writing and Communicating, AI for Brainstorming and Planning