

MART ERVIN DAHAO

martdahao@gmail.com | Malaybalay City, Bukidnon, Philippines | github.com/4CHILL3S101 | martdahao.netlify.app

PROFESSIONAL SUMMARY

Full-stack developer with hands-on experience delivering production systems for hospitals, municipal governments, and a university across Bukidnon, Philippines. Comfortable owning a project end to end — architecture, backend and frontend development, containerized deployment, and CI/CD — across web, mobile, and desktop platforms. Builds with Go, Node.js, Python, and React/React Native, applying microservices, CQRS, and RBAC patterns to keep systems secure and maintainable at scale.

WORK EXPERIENCE

Project Management System - Full Stack Engineer

July 2026 – Present

- Engineered and deployed a web-based project management platform tailored for an engineering department, supporting 5 distinct organizational roles through a secure Role-Based Access Control (RBAC) system.
- Designed strict permission-based authentication and authorization using JWT, restricting access to sensitive project blueprints, engineering tasks, and administrative features based on user roles.
- Built modular project and milestone tracking components, streamlining workflow progression, task assignments, and approval pipelines for engineering deliverables.
- Developed role-specific, data-driven dashboards to provide real-time project metrics, task notifications, and performance insights.
- Implemented optimized RESTful APIs, designed a normalized relational database schema, and integrated secure file management handling project documentation and technical engineering attachments.
- Handled the full project lifecycle independently—from gathering client requirements to managing a containerized Docker deployment and launching production-ready updates.

Technologies used: React, Next.js, TypeScript, Node.js, PostgreSQL, REST API, RBAC, JWT Authentication, Docker, Git

CitiPulse — Full Stack Engineer

May 2026 – June 2026

- Building and deploying a multi-platform civic reporting system, live in Impasug-ong, Bukidnon, for citizens to submit photo-documented reports to municipal staff for review and action.
- Developing a geospatial emergency-contact feature showing nearby services on a map with shortest-path routing.
- Architecting the system as Node.js microservices using RabbitMQ, Redis, and Nginx; desktop client in Wails/React, mobile app in React Native.

Technologies used: Node.js, React, React Native, Wails, Microservices, Redis, RabbitMQ, Nginx

Project Moonshot IT Solutions — Backend Developer Intern

February – April 2026

- Built and deployed backend services in Go and Node.js using a microservices approach with a CQRS-style structure for read/write separation.
- Developed REST and gRPC APIs for inter-service communication, using RabbitMQ for messaging, Redis for caching, and Nginx for reverse proxying.
- Participated in code reviews to maintain code quality and backend best practices.

Technologies used: Go, Node.js, gRPC, REST, CQRS, Redis, RabbitMQ, Nginx

Hawak Kamay Ni Juan — Full Stack Engineer (Freelance)

February – April 2025

- Developed and deployed a desktop-based mortuary record management system used across multiple municipalities of Bukidnon, built in Electron, React, and TypeScript.
- Implemented role-based access control and secure authentication to support multiple user levels and proper data governance.
- Provided ongoing maintenance and feature updates post-launch, with Firebase sync keeping records consistent across distributed locations.

Technologies used: React, TypeScript, Node.js, Firebase

Health Kard Ni Juan — Backend Developer (Freelance)

August – December 2024

- Built a cross-platform desktop and web-based system for Polymedic Hospital to digitize member registration, including QR-based digital ID generation and verification.
- Developed the app in Electron and React.js with a FastAPI backend, using Firebase for real-time sync of member records across clients.
- Containerized the system with Docker and automated deployment via GitHub Actions and Cloudflare.

Technologies used: Go, React.js, FastAPI, Firebase, Docker

PROJECTS

Geoport Malaybalay — Lead Developer, Geospatial & AI System

February – July 2024

- Developed a cross-platform mobile app for real-time navigation, route visualization, and dynamic rerouting on a FastAPI backend.

- Integrated the Mapbox API for interactive mapping and in-app navigation.
- Implemented a YOLOv8-based object detection module for real-time visual recognition via the device camera.

Technologies used: React Native, FastAPI, Python, Mapbox API, YOLOv8

GSU Motorpool (BukSU) — Lead Developer, Travel Request Platform

August – December 2023

- Built a web-based travel request and approval system for Bukidnon State University, with a multi-level approval workflow and role-based access control.
- Developed features for submitting, routing, and tracking travel requests using a MERN stack application.

Technologies used: MongoDB, Express.js, React.js, Node.js

GoHighLevel CRM Integration Demo (Personal Project)

May 2026

Built a proof-of-concept integration with the GoHighLevel REST API.

- Implemented contact creation and retrieval using authenticated API requests.
- Processed webhook events to synchronize contact updates with a custom backend.
- Explored CRM automation workflows and API-based integrations.

Technologies: GoHighLevel API, Node.js, Express, REST API, Webhooks

GoHighLevel + n8n Automation (Personal Project)

June 2026

Built automation workflows connecting GoHighLevel with external services using n8n.

- Triggered workflows from webhook events to automate contact management.
- Implemented data transformation between GoHighLevel and third-party APIs.

Technologies: GoHighLevel, n8n, REST APIs, Webhooks

OPEN SOURCE & DEVELOPER TOOLS

GDriveGoKit — Go-based Google Drive SDK

2026

- OAuth2-compliant Google Drive SDK in Go handling complex, recursive folder operations with concurrent uploads via goroutines.

Utilized: Go, OAuth2, Google Drive API, Goroutines

CloudinaryKit — Cross-Language Media Upload SDK

2026

- Cross-language media asset management SDK for Go and Node.js/TypeScript, with automated MIME-type detection and asset lifecycle rules.

Utilized: Go, Node.js, TypeScript, Cloudinary API

kyro-core — TypeScript Composable HTTP Engine

2026

- Lightweight TypeScript HTTP client on the native Fetch API with middleware support, reusable retry/auth middleware, and lifecycle hooks for tracking and debugging.

TECHNICAL SKILLS

Languages: Go, TypeScript, JavaScript, Python, SQL

Frontend: React, NextJs , React Native, Electron, Tailwind CSS, Wails

Backend: Go, Node.js, Express.js, FastAPI, REST APIs, gRPC

Databases: PostgreSQL, MySQL, MongoDB, Firebase Realtime Database, Firestore

DevOps & Cloud: Docker, GitHub Actions, Cloudflare, Render, Arch Linux

Messaging & Infrastructure: Redis, RabbitMQ, Nginx

Architecture & Concepts: Monolithic, Microservices, CQRS, RBAC, OOP, Authentication & Authorization, CI/CD

Automation & Integration: n8n, API Integration, Webhooks, OAuth2, Event-Driven Workflows

EDUCATION

Bukidnon State University

Bachelor of Science in Information Technology (BSIT)

Specialization: Web Application Development

AFFILIATIONS

Volunteer & Facilitator, DevCon (Developers Connect) — Bukidnon Chapter

- Facilitated Sui blockchain codecamp sessions, guiding participants through hands-on smart contract development.