

ALRICK IVAN ASPIRAS GICOLE

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SUMMARY

Full Stack Developer and Computer Science graduate who has shipped production applications across healthcare, e-commerce, AI, and government — from backend APIs to cloud-deployed web and mobile frontends. Most engaged by the problem-solving: digging into what is really going on underneath and building the thing that fixes it, with a bias toward clean architecture and AI-assisted workflows that ship faster without cutting corners.

EXPERIENCE

Software Developer

January 2026 - Present

City Management Information Systems and Innovation Department (CMISID) *City Government of Cagayan de Oro, Philippines*

- Built and deployed production web systems for city government offices, including permit management and civic engagement platforms used by internal departments and the public.
- Deployed and hosted PHP/Laravel and .NET applications on Windows Server with IIS, configuring application pools, site bindings, and HTTPS for production reliability.
- Expanded into the .NET ecosystem (ASP.NET, C#/VB.NET), extending backend capabilities beyond the PHP and JavaScript stack.
- Designed system architecture geared for production use, prioritizing reliability, maintainability, and scalability for real government workloads.
- Strengthened technical communication by gathering requirements from and coordinating with non-technical stakeholders across multiple city departments.

Full Stack Web Developer

December 2024 - June 2025

The Silahis Publication *Mindanao State University - Iligan Institute of Technology*

- Developed and maintained a publication site using Laravel, Inertia, Tailwind, TypeScript, and React
- Managed production deployment on AWS EC2 with Laravel Forge, implementing Elastic IP, EBS storage, and secured S3 buckets for media asset management
- Collaborated with team using Git workflows including branching strategies, pull requests, and code reviews
- Learned how to manage costs and resources.

Freelance Full Stack Web Developer

November 2024 - July 2025

Independent Client *Philippines, Lanao del Norte, Iligan City*

- Developed automated SMS-based healthcare application using Laravel, JavaScript, and Tailwind CSS.
- Integrated httpsms Gateway API for automated medication reminders.
- Designed system architecture diagrams, including entity-relationship and sequence diagrams.
- Experienced resolving issues during production.

Full Stack Web Developer

May 2024 – December 2024

eTanom startup *Philippines, Lanao del Norte, Iligan City*

- Built responsive full-stack e-commerce web application using Laravel, JavaScript, and Tailwind CSS.
- Integrated OAuth 2.0 authentication with Google and Facebook APIs.
- Developed complex front-end components, responsive layouts, and a mobile-friendly version of the app.
- Participated in Agile Scrum ceremonies using JIRA for sprint planning, task tracking, and backlog management.

EDUCATION

Bachelor of Science in Computer Science

2021 - 2025

Mindanao State University - Iligan Institute of Technology (MSU-IIT)

Magna Cum Laude

Thesis: *GUIDEON: An AI-Powered Educational Chatbot for Personalized Learning Pathways*

Senior High School - STEM Track

2018 - 2020

Gusa Regional Science High School - X (GRSHS-X)

PROJECTS

ChefMD — Nutrition Consulting Platform — *Next.js, NestJS, TypeScript, PostgreSQL, Redis, Turborepo, Tailwind CSS* Five-role clinical nutrition platform in a NestJS + Next.js monorepo — meal-plan cycles, auditor-reviewed care plans, and central-kitchen fulfillment, with integrated payments, food diaries, and a shared cross-app workflow contract.

CLENRO — Quarry Permit & Mineral Management System — *Laravel, React, Inertia.js, TypeScript, MySQL, Recharts* Government system for Cagayan de Oro's environment office managing the full quarry-permit lifecycle (creation, assessment, payment), with delivery-receipt ledgers, consolidated revenue reporting, PDF exports, and audit logs.

Kahigayonan — Youth Membership & Events Platform — *Laravel, React, Inertia.js, TypeScript, MySQL* Civic platform for a city youth office — a bilingual (Bisaya) membership survey feeding a live analytics dashboard, plus event operations with public registration, QR passes, camera check-in with per-operator attribution, and PDF attendance reports.

Tourism Content Platform — CMS & Mobile API — *Laravel, React, Inertia.js, TypeScript, MySQL* Admin CMS and public JSON API powering a tourism mobile app; managed attractions, hotels, restaurants, and events with device-keyed reviews and favorites, spam moderation, map-pin editing, and a shared category taxonomy.

AI Educational Chatbot — GUIDEON — *React, Django, PostgreSQL, Python, RAG, Ollama* Undergraduate thesis: an AI study companion whose RAG pipeline grounds every answer in course material, with multi-turn conversation memory and user profiling for personalized learning-pathway recommendations.

Photobooth Mobile Application — *React Native, Expo, TypeScript, BLE/ESC-POS* End-to-end event photobooth for Android and iOS with BLE thermal-printer integration — on-device JPEG rasterization and raw ESC/POS commands, a multi-layout composite renderer, live capture, and QR photo sharing.

Player Registration & Card Management System — *ASP.NET WebForms, VB.NET, MySQL, Bootstrap 5, REST API, React Native* Full-stack system for registering, managing, and printing esports player ID cards — multi-step registration, card lifecycle management (issuance, renewal, expiry), and an API-key-authenticated REST API consumed by a companion React Native scanner app.

Healthcare Management System — *Laravel, JavaScript, httpsms API, MySQL, Tailwind CSS* Role-based platform helping Barangay Health Workers track hypertensive patients in the field; automated SMS check-up reminders via an httpsms gateway with role-scoped EMR dashboards.

Car Dealership Management System — *Next.js, TypeScript, React, Supabase, PostgreSQL, Tailwind CSS* Full-stack dealership platform with a public catalog and an admin dashboard carrying cars from reservation to sale; role-based access control via Supabase RLS, plus financial modules for sales insights, expenses, and inventory.

TECHNICAL SKILLS

Programming Languages	JavaScript, TypeScript, Python, PHP, C#, VB.NET, SQL, HTML5, CSS3
Frameworks & Libraries	Laravel, React.js, React Native, Next.js, NestJS, Inertia.js, Django, Express.js, Node.js, Flask, ASP.NET, Expo, Tailwind CSS, shadcn/ui, Bootstrap 5
Cloud & DevOps	Amazon Web Services (EC2, S3, EBS), IIS / Windows Server, Docker, Laravel Forge, Git, GitHub, Bitbucket
Databases & Backend APIs & Integration	MySQL, PostgreSQL, SQLite, Supabase, Redis RESTful APIs, Google OAuth, Facebook OAuth, SMS Gateway APIs, BLE/ESC-POS, Postman
Tools & Methodologies	JIRA, Agile/Scrum, Turborepo (monorepo), GitHub Copilot, Cursor, Windsurf, Claude AI, Tesseract.js OCR, Ollama LLM
AI & Agentic Tools	Claude Code, MCP Servers, AI Agent Workflows, RAG Pipelines, LLM Orchestration
Soft Skills	Problem Solving, Analytical Thinking, Technical Communication, Team Collaboration, Adaptability, Initiative