

Mhel B. Bustamante

GIS Developer | Software Engineer

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SUMMARY

GIS Developer and 4th Year BS Information Systems student (Business Applications Development) at West Visayas State University, building spatial systems that turn geographic data into decisions. Experienced across the full stack — combining GIS analysis and spatial data engineering with React, Next.js, Node.js, Python, and cross-platform app development (Electron / Tauri).

EDUCATION

West Visayas State University – La Paz, Iloilo City 2023 – Present

Bachelor of Science in Information Systems, Major in Business Applications Development

Focus: GIS & spatial systems, full-stack development, systems analysis, database architecture. Capstone thesis centers on a spatial decision support system for LGU social protection programs.

Cuartero National High School – Senior High School 2021 – 2023

STEM Strand

Capstone: built a role-based library management system entirely in Excel using macros.

AWARDS & SCHOLARSHIPS

DOST-SEI Scholar 2023

Department of Science and Technology – Science Education Institute

Passed the DOST-SEI undergraduate scholarship qualifying examination, a nationally competitive merit-based exam for science and technology-related degree programs.

EXPERIENCE

Freelance Developer 2026 – Present

Self-Employed

Taking on freelance web development projects, including client websites and full-stack applications, applying skills in React.js, Next.js, Node.js, and database-driven system design.

PROJECTS

Digital SOP System 2026

Government Client Project · Full-Stack Developer

- Built a web-based Standard Operating Procedures management system for the DepEd Division of Capiz, enabling digital tracking, document versioning, and role-based access to SOPs across schools and offices. **Stack:** Next.js, Supabase, PostgreSQL, Row Level Security, Tailwind CSS

Spatial Decision Support System (SDSS) 2025 – 2026

Thesis Project · Full-Stack Developer & System Designer

- Built a GIS-powered web application mapping 6,370+ households across 24 barangays to visualize family-level vulnerability and resilience data for LGU planning and social protection targeting. **Stack:** React.js, Flask, Python, PostGIS, Leaflet.js, Network Analysis

BrokeR_PH 2025 – 2026

Web & Mobile Platform · Full-Stack Developer & System Designer

- Developing a mobile-ready real estate (PropTech) platform with a full-stack architecture for property listings and transactions. **Stack:** React.js, Node.js, PostgreSQL

MabuhAi — GIS Find Help

2026

Academic Group Project · Group Developer (GIS, Community & Urgent Help)

- Built a cross-platform mental health support app featuring a GIS-based locator for nearby psychologists and help resources. **Stack:** Tauri v2, React, TypeScript, GIS, Tailwind CSS

TeacherOS

2026

Government Client Project · Sole Developer — Full System

- Developed an offline-first desktop application for DepEd Cuartero District to manage teacher records and generate reports without requiring internet access. **Stack:** Electron, Node.js, JavaScript, SheetJS

Editorial Photography Portfolio

2026

Client Website · Designer & Developer

- Designed and developed a responsive static portfolio website for a professional photography client. **Stack:** HTML5, CSS3, JavaScript, Responsive Design

SKILLS

GIS & Spatial: QGIS, PostGIS, Leaflet.js, Network Analysis

Frontend: React.js, Next.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Python, Flask, PHP, Java

Database: PostgreSQL, Supabase, MySQL, SQL

Tools & Platforms: Git & GitHub, Electron, Tauri