



XIER GABRIEL MANGUNAY

SOFTWARE ENGINEER / MARKETING & SYSTEMS MANAGER

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Full-stack systems, shipped solo - production web, mobile, data, and field tools built to replace manual work.

PROFILE

AI-augmented software engineer from the Philippines. Runs marketing and systems for a US land-investment firm while serving as its full engineering department. Plans, builds, and ships complete products end-to-end.

EXPERIENCE

MARKETING & SYSTEMS MANAGER / SOFTWARE ENGINEER JAN 2026 - PRESENT

US land-investment firm

- Runs marketing operations and serves as the firm's full engineering department, shipping production data, web, and field systems solo.
- Built an automated mailing pipeline that replaced weeks of list-building with a minutes-long workflow; the first batch produced 6x return, 24 signed contracts, and \$169K projected profit.
- Built a bilingual listings platform and field-routing system; route planning dropped from 20 minutes to two and listing uploads from 30 minutes to under two.

DATA SYSTEMS ADMINISTRATOR

JUN 2024 - MAY 2025

Mangunay Marpuri Comprada - Ocampo, Camarines Sur

- Digitized a decade of paper-based balances, lending records, and purchase and sales history to restore transparent financial oversight.
- Developed a daily rice buy/sell tracking app that calculates costs, labor, and operating expenses; set up systems and trained the owner on effective Excel use.

EARLIER WORK & RESEARCH

RESEARCH LEAD & DATA ANALYST

AUG 2022 - JUN 2023

Flood Prediction Study - Ateneo de Naga University

- Coordinated datasets from Philippine government agencies and led data cleaning, GIS analysis, and a comparative machine-learning study of flood prediction methods.

PROJECT LEAD & UI/UX DESIGNER

JUN 2022 - JUL 2022

Pandalivery - live-auction product prototype

- Researched the needs of Philippine micro and small businesses, then designed a Figma prototype for a live-stream auction platform.

SELECTED SYSTEMS

TERRA PRIME LOTS

LIVE / NEXT.JS / AIRTABLE / ZAPIER

Bilingual land-listings site that takes a property from MLS sheet to a published page in under two minutes.

FIELD ROUTING

INTERNAL / NEXT.JS / OSM / OSRM

Builds 60-stop field tours, exports shareable map links, and remembers recent sign placements.

MOMENTO

BETA / REACT NATIVE / EXPO / SUPABASE

Turns client-chat screenshots into structured bookings and generates contracts, quotations, and invoices as PDFs.

CHS INVENTORY

DEPLOYED / NEXT.JS / SUPABASE

Manages student requests, instructor approvals, administrator tracking, and returns for a university laboratory.

CORE STACK

WEB

Next.js, TypeScript, Tailwind CSS, Vercel

MOBILE

React Native, Expo, NativeWind

DATA

Python, DuckDB, Pandas, GIS

BACKEND

Supabase, Airtable, Zapier

EDUCATION

BS Computer Science

Ateneo de Naga University / 2024

STEM

Ateneo de Naga University Senior High School / 2019

WORKING METHOD

AI-assisted planning, implementation, QA, and deployment. Owns systems end-to-end, with an emphasis on operational improvement, maintainable handoff, and small-team leverage.

PRACTICE

Strategic planning / research & data analysis / workflow design / documentation / English proficiency

INTERESTS

Traveling / film photography / cooking