

Anthony John Aparicio

Software Engineer

Anthony John B. Aparicio

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Skills

Languages & Frameworks: JavaScript, TypeScript, Python, Django, Flask, React, Next.js, Node.js, Flutter, Java, Spring Boot, Golang, Gin, Nest.js, C#, Unity, Godot, Electron.js, Motoko, PaperMC/Spigot

Backend & Databases: Firebase, Supabase, PostgreSQL, REST APIs, GraphQL, MongoDB, SQLite

DevOps & Tools: Git, GitHub, Docker, Vercel, Jenkins, Gradle

AI & ML: OpenAI API, Roboflow, TensorFlow, YOLOv5

Projects

SnapScore / Full Stack Developer

Next.js, Nest.js, Flutter, Firebase Auth, MongoDB, OpenAI, Vercel

A mobile application that scans papers and corrects them based on a set of correct answers using OpenAI's GPT 4o-mini. I helped in the web application, and led in the development of the mobile application and the backend.

Falsisters POS / Backend and Mobile Developer

Next.js, Nest.js, Flutter, PostgreSQL, Supabase, AWS S3, Vercel

A mobile POS application with a "back office" web application to manage cashiers, sales histories, and profits. I led development of the backend and mobile application.

Raspberry Pi Natural Disaster Detection System / Full Stack Developer and IoT Engineer

Vite, React, Pi OS, YOLOv5, OpenCV, Python, Google Cloud Run, Flask, Socket.io

A full fledged Raspberry Pi system, with a deployed ML model on the Cloud to inference and detect fire and smoke using YOLOv5 and a custom model. I assembled and set up the Pi, built the python server and ML server, and frontend.

CLICK-Click Photobooth App / Full Stack Developer

Vite, React.js, Electron, GPhoto2, AWS S3, Neon, Next.js

A Windows Photobooth Application, with DSLR raw capture using GPhoto2, and Neon, S3 and Next.js for distributing soft copies through the cloud. I built the whole system as a solo freelance project.

RawMats / Scrum Master, Lead Developer

Next.js, PostgreSQL, Supabase, Vercel

A directory for MSMEs to list their products and reach a digital audience. I led the team as a scrum master and the development of the full stack application.

Iloilo Feeder Map / Full Stack Developer

Next.js, Neon, PostgreSQL

A map of Iloilo City, and its electrical infrastructure, supporting custom drawing of polygons to map interruptions of power around the city. This is a side project I made in my free time.

Get Gains / Full Stack Developer

Flutter, Firebase

A mobile application for tracking progress in workouts, with support for the Workout Database. This is my first full stack application for mobile.

Experience

Demigad / Chief Technological Officer

FEBRUARY 2025 - PRESENT, CENTRAL PHILIPPINE UNIVERSITY

A founding member of the startup, Demigad, and its project BayloCentral. I have lead the team in the development of the application and handling versioning, deployment, and full-stack development

Freelance / Full Stack Developer

JANUARY 2023 - PRESENT, ILOILO CITY

I have worked with different clients inside and outside of the city in building their software ideas into reality. This spans from Web Development, Artificial Intelligence, and Mobile Development.

Education

Central Philippine University / BS in Software Engineering

AUGUST 2022 - AUGUST 2026, ILOILO CITY

I took my Bachelor's in Central Philippine University and have honed my skills in Software Engineering, such as Development and Documentation, with Agile workflows.

Iloilo National High School / STEM

AUGUST 2020 - JUNE 2022

I took STEM as I aimed to enter an Engineering course in College. I was an active contributor to my research thesis and did a side job as a professional Esports player.

Awards

With Honors (2018-2022)