

Gwyn S. Barte

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• GitHub: <https://github.com/dairymilkyway> • LinkedIn: <https://www.linkedin.com/in/gwyn-barte-a79934365>

• Portfolio: <https://gwyn-portfolio.vercel.app>

Tech Stack

Programming & Scripting: JavaScript, TypeScript, Python, Java, PHP, SQL, Bash

Frontend & Frameworks: React, React Native, Next.js, Tailwind CSS, Material UI, DaisyUI, HTML5, CSS3

Backend & APIs: Node.js, Express.js, NestJS, Laravel, REST APIs, JWT, Bcrypt, Firebase Authentication (OAuth)

Databases: MongoDB, MySQL, SQLite, PostgreSQL

Tools & Platforms: Git, GitHub, VS Code, Postman, Vercel, Expo, Linux (Ubuntu, Kali), Windows

IT & Hardware: PC assembly, OS installation, driver setup, system diagnostics, firmware updates, hardware upgrades

Projects

[CVAPED](#) - Full Stack Therapy Platform (Capstone Project)

Role: Full Stack Developer | Hardware Integration

Tech Stack: React Native, React, Node.js, Express, MongoDB, Python, ESP32

Developed a cross-platform healthcare system delivering guided therapy exercises and real-time patient monitoring. Integrated ESP32 sensors for live feedback and secure APIs, enabling reliable data handling and improved rehabilitation workflows.

[RenderHaus](#) - Interactive 3D Simulation Platform

Role: Full Stack Developer

Tech Stack: Node.js, Express, MongoDB, React, Three.js

Built a web-based 3D platform for furniture and appliance visualization. Optimized rendering and asset management while implementing frontend and backend components for smooth, interactive user experiences.

[Brickd](#) – Mobile E-Commerce Application

Role: Full Stack Developer

Tech Stack: React Native, Node.js, Express, MongoDB

Created a mobile e-commerce app with product browsing, cart management, and secure checkout. Designed RESTful APIs and structured databases for efficient transactions and seamless user experience.

[BartMed](#) – Pharmacy E-Commerce Platform

Role: Full Stack Developer

Tech Stack: Laravel, MySQL, Tailwind CSS (Material UI)

Developed a secure web-based pharmacy platform with catalog, cart, checkout, and role-based authentication. Built scalable backend logic to manage inventory efficiently and track user activity.

[Bookie](#) – Book Management System

Role: Full Stack Developer

Tech Stack: Laravel, PHP, MySQL, Tailwind CSS (Daisy UI)

Developed a Laravel-based application to manage books in an educational environment with role-based access for teachers and students. Implemented user authentication, dashboards for teachers, book request workflows for students, and a responsive interface to streamline book management and improve accessibility of educational materials.

[AptTracker](#) – Apartment Management System

Role: Full Stack Developer

Tech Stack: PHP, MySQL, Tailwind CSS

Built a centralized system to manage tenants, rental units, and property records. Implemented relational databases and CRUD operations, streamlining administrative workflows and improving record accuracy.

Education

Technological University of the Philippines

Bachelor of Science in Information Technology

Taguig City, Metro Manila NCR

2022-Present