

Jethro James S. Aguilar

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[LinkedIn](#) • [GitHub](#) • [Portfolio Website](#)

Education

Polytechnic University of the Philippines

Bachelor of Science in Information Technology

Present

- Focus areas: Web Development, Software Engineering, Database Systems, and Cybersecurity

Polytechnic University of the Philippines – Senior High School

Information, Communications, and Technology (TVL-ICT) Strand

June 2022

- Graduated with High Honors & Top 1 Strand Rank

Projects

NutriAksyon: Feeding Program Web App

[Repository](#) | [Live Demo](#)

Project Manager & Lead Developer

Oct 2025 – Jan 2026

- Developed a full-stack web app using **React** and **Azure** to automate child nutrition tracking and health monitoring.
- Implemented authentication, authorization, and secure access using **JWT** and session handling.
- **Streamlined** reporting processes by integrating **Azure SQL** for centralized and scalable data management.

MediTrack: Medication Tracking System

[Repository](#) | [Live Demo](#)

Project Manager & Lead Developer

May 2025 – June 2025

- Built a tracking system to manage prescriptions, improving patient medication adherence.
- Designed interactive dashboards using **data visualization** tools to provide real-time adherence.
- Deployed frontend on **Vercel** with backend services integrated using **Microsoft Azure**.

DonDon: E-Commerce Website

[Repository](#) | [Live Demo](#)

Project Manager & Lead Developer

Dec 2024 – Feb 2025

- Created a multi-user food ordering platform featuring dashboards for customers, staff, and owners.
- Implemented real-time cart functionality and product management using **Firebase** for hosting

Planorama: Event Management System

[Repository](#) | [Walkthrough](#)

Project Manager & Lead Developer

Sep 2024 – Oct 2024

- Engineered a desktop CRUD application using **Java Swing** with focus on event management.
- Applied strict **Object-Oriented Programming (OOP)** principles to ensure code modularity and maintainability.

Technical Expertise

- **Languages:** C, C++, C#, Java, JavaScript, TypeScript, Python, PHP, COBOL
- **Web Technologies:** HTML5, CSS3, React, .NET, Tailwind CSS, Bootstrap, SignalR, JWT
- **Databases & Cloud:** SQL Server, MySQL, MSSQL, PostgreSQL, Firebase, Microsoft Azure
- **Tools & Platforms:** Git, GitHub, Vercel, Netlify, Vite, Postman, Swagger, MS Office
- **Software & Networking:** Wireshark, VirtualBox, Cisco Packet Tracer, Eclipse, VS Code