

John Lester Escarlan

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ABOUT ME

As a Mathematics Major at the University of the Philippines, I've honed my analytical mindset into becoming a self-taught full-stack web developer. I started my journey through The Odin Project's curriculum. I build user-centric applications from frontend to backend, leveraging modern tools like React, Vite, and Tailwind CSS for responsive interfaces, with Express.js and PostgreSQL/MySQL for server-side logic and database management. My projects—including pokemon inventory, a product website, and a community-driven freedom wall—reflect my ability to transform ideas into clean, functional solutions. I am also proficient in Python, C, and C++, which helps me use my mathematics background to solve machine problems. Whether crafting intuitive UIs or optimizing data flows, I prioritize simplicity and usability at every components.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, JavaScript, and TypeScript.
- **Database Management:** MySQL and PostgreSQL.
- **Frameworks & Tools:** HTML, CSS, React, Vite, and Tailwind CSS.
- **Core Concepts:** Mastered data structures, algorithms, object-oriented programming, and web development fundamentals through course and practical applications.

PROJECTS

Pokémon Inventory 2025

Overview: A full-stack web application for organizing Pokémon collections with secure CRUD operations and real-time search functionality.

- **Developed** with EJS, Tailwind CSS, Express.js, and PostgreSQL, featuring server-side rendering and relational database architecture.
- **Implemented** CRUD operations with form validation and a responsive grid interface for managing Trainer and Pokémon entries, including search/filter.
- **Showcased** the live project at: <https://inventory-application-xiyr.onrender.com/>

Freedom Wall 2025

Overview: A community platform for users to share thoughts, concerns, and unspoken feelings.

- **Developed** the platform using CSS, EJS, JavaScript, and Express.
- **Implemented** a simple, clean interface user posting.
- **Showcased** the live project at: <https://web-production-2b2eb.up.railway.app/>

Nutcha Bites 2025

Overview: A product website that replicates the experience of a genuine shopping application.

- **Developed** a responsive website using React, Vite, Tailwind CSS, and TypeScript.
- **Implemented** end-to-end product display and navigation to complement a business proposal.
- **Showcased** the live project at: nutcha-bites.vercel.app

EDUCATION

Bachelor of Science in Mathematics

2022 – Present

University of the Philippines

- **Taken** related subjects including Data Structures, Computation Theory, and File Processing and Database Systems.

CERTIFICATIONS & AWARDS

- **Earned** Graduation with Honors (2020)
- **Awarded** Best in Mathematics, and Statistics and Probability (2021)
- **Awarded** College Scholar (2022–2023)
- **Awarded** University Scholar (2023)
- **Recognized** as DOST JLSS Scholar (2024)