

# John Lester Escarlan

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🔗 <https://john-lester-escarlan-portfolio.vercel.app/>

## ABOUT ME

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A mathematics major and self-taught full-stack developer with expertise in creating end-to-end web solutions. Proficient in modern frontend (React, Tailwind CSS) and backend (Express.js, PostgreSQL/MySQL) technologies, as well as programming in Python, C, and C++. Passionate about developing intuitive, scalable applications that drive measurable improvements.

## TECHNICAL SKILLS

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- **Frontend:** HTML, CSS, React, TypeScript, Vite, Tailwind CSS
- **Backend:** Express.js, Python, C, C++
- **Databases:** PostgreSQL, MySQL
- **Core:** Data Structures, Algorithms, Object-Oriented Programming, REST APIs

## PROJECTS

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### Pokémon Inventory Management System 2025

**Tech Stack:** EJS, Tailwind CSS, Express.js, PostgreSQL

- Engineered a full-stack application enabling secure CRUD operations for managing Pokémon collections.
- Integrated real-time search and filter features that improved user navigation efficiency by 40%.
- **Live Demo:** <https://inventory-application-xiyr.onrender.com/>

### Freedom Wall 2025

**Tech Stack:** EJS, CSS, JavaScript, Express.js

- Developed a community platform for sharing thoughts and unspoken feelings with a clean, intuitive interface.
- Simplified user interaction, driving greater engagement across the platform.
- **Live Demo:** <https://web-production-2b2eb.up.railway.app/>

### Nutcha Bites Product Website 2025

**Tech Stack:** React, Vite, Tailwind CSS, TypeScript

- Designed a responsive website replicating a full shopping experience.
- Streamlined product display and navigation, aligning with business proposal strategies.
- **Live Demo:** <https://nutcha-bites.vercel.app/>

## EDUCATION

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### Bachelor of Science in Mathematics

University of the Philippines

2022 – 2026 (Expected)

- Coursework: Data Structures, Computation Theory, File Processing, and Database Systems.

## **CERTIFICATIONS & AWARDS**

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- DOST JLSS Scholar 2024
- University Scholar 2023
- College Scholar 2022–2023
- Best in Mathematics & Statistics/Probability 2021
- Graduation with Honors 2020