

Negros Occidental,
Philippines

John Lester Villarde

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Full-stack developer specializing in backend systems with expertise in **Node.js**, **Python**, and **FastAPI**. Skilled in designing, building, and deploying **scalable APIs**, **real-time applications**, and **cloud-hosted solutions**. Successfully delivered production-ready systems, including a **college-wide e-voting platform serving 5,000+ students**. In addition, I build modern, responsive frontends with **React** and **Tailwind CSS**, enabling me to deliver end-to-end full-stack solutions.

Portfolio: <https://jlvillarde.vercel.app/>

Experience

Python Programming Trainee | NOLITC Python Programming | Jun - Aug 2025

- Completed intensive 2-month training in Python from **basics to advanced topics**, including **OOP**, **design principles**, and **design patterns**.
- Developed a **Budget Tracker application** as a capstone project, applying advanced Python concepts and frameworks.

Backend Developer OJT/Intern | PAGENET IT Solutions | Feb - Jun 2025

- Engineered a **real-time defect inspection system** using Python & OpenCV, cutting inspection time to **<500ms per image** and enabling automated quality assurance for semiconductor packaging.

Fullstack Developer (Capstone Project) | BCC Web-based E-voting System, Capstone Project | Sep - Dec 2024

- Designed and developed a secure **e-voting platform** integrated with the BCC student portal, ensuring authenticated access for 5,000+ students.
- Built a **real-time dashboard with analytics** using Socket.IO, enabling instant election monitoring and reporting.
- Deployed and administered the system during the official college-wide election, ensuring **100% uptime and reliability**.
- Project recognized and adopted by **Bago City College** for student government elections.

Technical Skills

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|--------------------|---------------------------------------|
| Backend: | Nodejs, Express, NestJS, FastAPI, PHP |
| Frontend: | React, TailwindCSS, HTML, CSS |
| Database: | Mysql, Postgresql |
| Languages: | Javascript, Typescript, Python |
| Tools & Platforms: | Git, Github, Vercel, Render, Supabase |

Education

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| • Bachelor of Science In Information System, Bago City Collge. | 2021 - 2025 |
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Projects

BCC Web-Based E-Voting System

Technologies: Nodejs, Express, Typescript, Mysql, TailwindCSS

- Developed and deployed an **official school-wide e-voting system** at Bago City College.
- Included **real-time results dashboard** and historical election analytics.
- <https://www.facebook.com/share/p/1AfjX99td/> - related to the election conducted using the system

Budget Tracker

Technologies: Python 3+, FastAPI, React, PostgreSQL, Supabase

- Built a **full-stack expense tracking application** with interactive charts (category, monthly, weekly, weekday trends).
- Implemented **Progressive Web App (PWA)** features, enabling users to conveniently install and access the tracker on both mobile and desktop devices.
- Live Demo - <https://fastapi-budget-tracker.onrender.com/>