

# John Carlo Austria

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## EDUCATION

### Pamantasan ng Lungsod ng San Pablo

San Pablo City, Laguna, Philippines

Bachelor of Science in Computer Engineering

Graduation Date: Jul 2025

## WORK EXPERIENCE

### Mox and Lotus

Rizal, Laguna, Philippines

Full Stack Engineer

Jan 2025 - Present

- Built a scalable multitenant app integrated into existing platforms, streamlining user management for 10,000+ clients and cutting onboarding time by 40%; migrated from EC2 to Laravel Cloud for 99.9% uptime and 35% simpler configs; modernized legacy Laravel 8 stack to Laravel 12 with Vue, TypeScript, Inertia.js, and Tailwind, improving build speed by 50% and response time by 30%.

### Converge ICT Solutions, Inc.

San Pablo City, Laguna, Philippines

Associate Software Engineer

Jul 2024 - Sep 2024

- Independently developed a franchise and ticket management PWA during OJT, simulating a 40% drop in ticket resolution time; built a real-time mobile dispatch app boosting operational efficiency by 35%.

## PROJECT EXPERIENCE

### Freelancing

San Pablo City, Laguna, Philippines

CarGo

Jun 2023 - Dec 2023

- Developed a role-based car rental app prototype in **React Native** with **Firebase** and **Google Maps**, enabling real-time booking, GPS tracking, admin-led document verification, and full rental lifecycle simulation across Admin, Car Owner, and Renter roles.

### Pamantasan ng Lungsod ng San Pablo

San Pablo City, Laguna, Philippines

Brainleap

Aug 2023 - Dec 2023

- Independently built a full-stack AI-enhanced virtual classroom prototype using **Next.js**, **Node.js**, and **PostgreSQL**, featuring class tools, an AI chatbot, and grading assistance which was successfully defended before a panel.

### Pamantasan ng Lungsod ng San Pablo

San Pablo City, Laguna, Philippines

Arduino-based Banana Peel Composite Wood Maker

Aug 2024 - Jun 2025

- Developed embedded control logic on **Arduino Mega and Nano** for automating shredding, mixing, molding, and pre-drying processes using non-blocking, state-based logic.
- Validated software performance using **ISO 25010** criteria, contributing to a system rated 4.35/5 by CpE practitioners.

## LEADERSHIP EXPERIENCE

### Software Design Lead Developer

San Pablo City, Laguna, Philippines

Brainleap

Aug 2023 - Dec 2023

- Served as technical lead in a cross-functional team, independently building the entire system while aligning with research-driven requirements; translated non-technical insights into features, and architected the platform for scalability, modularity, and AI extensibility for real-world classroom use.

### Pamantasan ng Lungsod ng San Pablo

San Pablo City, Laguna, Philippines

Arduino-based Banana Peel Composite Wood Maker

Aug 2024 - Jun 2025

- Assisted the project lead in coordinating a 7-member cross-disciplinary team, managing documentation, schedules, and reviews; facilitated sub-team communication and contributed to stakeholder presentations and system demos.