

# Lorenz Jedd M. Alvarez

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## Skills

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**Languages:** Java, C++ / CLI, HTML & CSS, JavaScript, PHP, VB.Net

**Technologies:** Git, API Integration, Azure DevOps, ReactJS, MySQL, Android Studio

## Experience

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**IT Development Engineer Intern**, International School Manila – Taguig City, PH March 2024 – July 2024

- Developed a fully responsive, cross-browser compatible website for listing professionals, focusing on accessibility and enhanced UI/UX.
- Used ReactJS for UI, Zustand for state management, and Bootstrap for responsive design.
- Improved data accessibility and enhanced user experience.

**Software Developer**, JIMAC Incorporated – Quezon City, PH March 2023 – March 2024

- Assigned to develop software solutions for improving data handling and system integration on a project basis.
- Developed a File Checker to send data to an API, created a Point of Sales System with API integration, and built a Table Extractor to generate files from tables.
- Enhanced data processing efficiency, streamlined operations, and improved system integration.

**Database Documenter**, JIMAC Incorporated – Quezon City, PH September 2022 – January 2023

- Tasked with documenting and organizing database structures for improved clarity and understanding.
- Documented databases, tables, and columns; created detailed descriptions; identified and visualized connections between tables.
- Improved database documentation accuracy, enhanced data clarity, and facilitated easier database management and analysis.

## Projects

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### SmartMango (Thesis)

- Developed a web-based application to improve Carabao mango precision farming, focusing on optimizing post-harvest processes.
- Utilized ReactJS, Flask, TailwindCSS, and MySQL; integrated YOLOv8 Nano-object Detection Model and Multiple Linear Regression to optimize farming techniques.
- Enhanced efficiency and decision-making in Carabao mango post-harvest processes, leveraging data-driven technology for better farming outcomes.

### iPitaka (11th IT Skills Olympics)

- Developed a web and Android application to help users manage their finances by analyzing spending habits and suggesting budget allocations.
- Used PHP, HTML, Bootstrap, jQuery, XML, Java, MySQL, and Oracle Cloud to create a data-driven platform for tracking expenses and providing financial advice through time-series data.
- Enabled users to make informed financial decisions and better manage their financial status, promoting smarter spending and budget management.

## Education

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**University of Makati** – BS in Computer Science 2024

**University of Makati** – TVL - Computer Programming 2020