

Emmanuel Delacruz Malagamba

Full-Stack Software Developer

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PROFESSIONAL EXPERIENCE

Kave Guild: Your Web3 Ally, Full-Stack Software Developer 01/2025 – 05/2025

- Delivered a functional POS system by contributing to the full-stack development using the MERN stack with integrated inventory tracking.
- Ensured seamless user experience across devices by implementing responsive designs.
- Strengthened team productivity by practicing Agile Scrum, engaging in sprint planning, daily stand-ups, and iterative releases.

EXPERIENCE

Freelance Full-Stack Developer, Kave Guild: Your Web Ally 06/2025 – Present

- Continued improving the POS system by supporting feature updates and maintenance in collaboration with the lead developer using the MERN stack.

Thesis Researcher, Full-Stack Developer 01/2024 – 11/2024

- Empowered farmers through a cross-platform app for pest identification and yield forecasting using CNN **TensorFlow/Keras** and **OpenCV**.
- Ensured iterative progress and risk mitigation by applying the Agile Spiral model.

Code Fest 03/2024

- Secured 1st Runner-Up in a 6-hour coding challenge by developing a Java-based hotel reservation mobile app as the front-end lead in a 3-person team.

PROJECTS

AI-Refine 🔗 04/2025

- Built a web tool using Next.js and PocketBase that allows users to drag and drop images and apply augmentations **flip, grayscale, blur, brightness** to enhance CNN model accuracy.

Thesis Library Portal, Contributor 🔗 07/2025

- Contributed to UI performance by improving responsiveness and refactoring component code for maintainability.

Appliance Shop E-commerce Website, Contributor 🔗 05/2025

- Implemented sales forecasting using Facebook Prophet and displayed results through interactive front-end visualizations.
- Designed and integrated a dedicated analytics page to visualize various datasets for enhanced user insights.
- Implemented CRUD operations to enable data flow between the front-end and back-end.

EDUCATION

STI-College of General Santos City, 06/2021 – 06/2025
Bachelor of Science in Computer Science

Notre Dame-Siena College of General Santos City, 06/2019 – 06/2021
Science, Technology, Engineering, and Mathematics