

Jan Wilhelm Sy

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EXPERIENCES

Software Developer Intern

Iraya Energies | Kuala Lumpur, Malaysia

June 2024 – July 2024

- Developed and containerized web applications using Docker for consistent deployment.
- Built a Streamlit-based UI for AI tools with a focus on usability.
- Integrated Retrieval-Augmented Generation for efficient chatbot performance.

PROJECTS

Kanva: Collaborative Kanban Board

- A full-stack React + Node.js app with multi-board Kanban interface.
- Implemented JWT-authenticated user access and bcrypt-secured passwords.
- Integrated drag-and-drop capability using @dnd-kit for seamless task management.

Kapi: E-Commerce Web Application

- Created a React + Tailwind-based e-commerce platform (Customer Side).
- Designed a shopping cart, user profiles, and order processing system.
- Utilized MySQL with Express for backend data handling.

Vysta: Movie Discovery & Watchlist

- Built a React front-end for browsing movies and managing a watchlist.
- Integrated third-party API calls and persisted personalized data with backend support.

AIIdentifye: Eye Disease Recognition Software

- Led AI development pipeline, handling data preprocessing, model training, and deployment.
- Developed front-end interface using Streamlit.

Other Projects:

- **BiasX** - Collaborated on data pipeline design, trained and validated classification models, and built an interactive Streamlit frontend.
- **Raya: Unstructured Research Data Chatbot** - Developed a chatbot with Ollama for AI inference, implemented a multi-document RAG pipeline for unstructured queries, and built the user interface.

SKILLS

Frontend: React.js, Tailwind CSS, HTML5, CSS3, Figma

Backend: Node.js, Express.js, REST APIs, JWT Auth, MongoDB, MySQL

Languages: JavaScript, Python, C

Tools: Git, GitHub, Docker, VS Code

AI: CNNs, NLP

EDUCATION

Bicol University

Bachelor of Science in Computer Science, *cum laude*

Legazpi City, Albay

August 2021 – June 2025

STI College of Legazpi

Information Communication Technology

Legazpi City, Albay

June 2019 - June 2021