JUSTIN RICH M. DIMAANDAL

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EDUCATION

University of Batangas

Bachelor of Science in Information Technology   *August 2021 – June 2025*

- *Relevant Coursework:* Database Management Systems, Systems Analysis and Design, Object-Oriented Programming, Web Development, Mobile Application Development
- *Awards:* Cum Laude, Student Achiever Awardee 2025

EXPERIENCE

Mitsubishi Power (Philippines) Inc.   *January – May 2025*

IT Programmer Intern   *Ag & P SEZ, San Roque, Batangas, Philippines*

- Designed and deployed a **Disposal Management Application** using Microsoft Power Apps and SharePoint, streamlining asset disposal requests across **4+ departments** and cutting processing time by **40%.**
- Developed a **CATAF Request System** for the Finance Department, automating approval workflows and reducing manual paperwork by **over 60%.**
- Integrated **SharePoint lists** and **Power Automate flows** to centralize data management and ensure secure, real-time tracking of requests.

PROJECTS

Acadevmy - *Personal Project | React, TypeScript, Node, Express, Socket.io, MongoDB, Tailwind CSS*   Live Demo

- Developed **a mentor discovery platform** allowing students to browse **verified mentor profiles** filtered **by tech stack, hourly rate, and experience**.
- Built a **comprehensive profile system** for mentors to showcase their skills, rates, and availability, with a **public review system** to build credibility.
- Implemented a **1-to-1 private messaging system** to facilitate **direct communication** between students and mentors for **finalizing session details and mentorship terms.**

Puzzlify – *Personal Project | React, TypeScript, Node, Express, MongoDB, Tailwind CSS*   Live Demo

- Engineered a **full-stack image-to-puzzle application,** enabling users to upload images that were processed and transformed into interactive, shareable **sliding puzzles.**
- Designed a **scalable backend architecture** to handle **image uploads,** securely storing **files and metadata** to ensure efficient retrieval and management of user-generated content.
- Built **dynamic puzzle generation on the client-side,** managing all game logic to **reduce server load by 95%** and **improve page load times by 40%.**
- Developed a **real-time, shareable puzzle link system** by serializing puzzle state into **URL parameters,** allowing users to instantly share game sessions without a login.

One Tingloy - *Capstone Project | PHP (CodeIgniter), MySQL, JavaScript, Bootstrap*

- Developed a **full-stack tourism management system** for the Municipality of Tingloy, centralizing **100% of registered tourist destinations** and **40+ transient houses.**
- Implemented **a booking and reservation module** to streamline accommodation requests by **70% across departments.**
- Built a role-based CMS enabling **10+ municipal staff** to manage listings and content without technical assistance.

Personal Portfolio - *Personal Project | React, TypeScript, Tailwind CSS*   Live Demo

- Built a single-page portfolio site with **100% mobile responsiveness** and modular reusable components.
- Deployed via Vercel with CI/CD integration, cutting deployment time from **15 min to under 1 min.**
- Achieved **90–96 Lighthouse score** across all categories by optimizing Tailwind setup and bundling with Vite.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, PHP, SQL

Frontend: HTML5, CSS3, React, Tailwind CSS, Bootstrap

Backend: Node.js, Express, Socket.IO

Databases: MongoDB, MySQL

Tools: Git, GitHub, Visual Studio Code, Vercel, Render