

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

[Source Code](#)

- 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.

ResetaNow - Personal Project | React, TypeScript, Node.js, Express, MongoDB, Tailwind CSS, shadcn/ui

[Source Code](#)

- Engineered a **full-stack clinical workflow management system** for healthcare professionals, featuring patient management, prescription creation, and medical certificate generation with **PDF export capabilities**.
- Implemented a **secure authentication system** with **JWT-based authorization**, password reset via **EmailJS integration**, and protected routes, ensuring **HIPAA-compliant access control** across all clinical data.
- Developed a **modular architecture** with **5+ feature modules** (auth, patients, prescriptions, medcert, dashboard), **reducing code duplication by 40%** and enabling scalable feature additions.
- Built **real-time dashboard analytics** with **Recharts integration**, providing healthcare professionals with instant insights into patient statistics, prescription trends, and clinical activity metrics.
- Designed **responsive UI components** using **shadcn/ui** and **Tailwind CSS**, achieving **95+ Lighthouse performance scores** and ensuring seamless mobile-to-desktop user experience across all workflows.

Puzzlify - Personal Project | React, TypeScript, Node, Express, MongoDB, Tailwind CSS

[Source Code](#)

- 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.

TECHNICAL SKILLS

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

Frontend: HTML5, CSS3, React, Tailwind CSS, Bootstrap, shadcn/ui

Backend: Node.js, Express, Socket.IO

Databases: MongoDB Atlas, MySQL

Tools: Git, GitHub, Visual Studio Code, Vercel, Render, Adobe Photoshop, ChatGPT, Claude, Gemini