

## WORK EXPERIENCE

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### Ateneo De Naga University (RETSU)

Jan 2024 – Mar 2024

*Lead Full-Stack Web Developer*

*Naga City, Camarines Sur, 4400*

- Developed RETSU (Refined Electronic Ticketing for Streamlining User Experience) at Ateneo de Naga University, significantly enhancing the user experience by reducing queueing delays and minimizing the inconveniences associated with traditional queueing systems.
- Developed a comprehensive Queue Management System for the University Treasurer's Office, integrating a QR code-based ticketing system and a real-time queue status view for clients, customizable interface through admin management.
- Optimized fetching of data from the database by 90% efficiency, allowing the system to handle optimized page loads of up to 24,000+ records per day.
- Enforced clean project architectural practices i.e., Model-View-Controller (MVC) for better code modularization. Developed a scalable system using Laravel 9 framework with Oracle database that resulted for a generic system allowing different branches/departments of ADNU to utilize and setup a Queueing System on their department Onsite Kiosk or Online.
- Implemented APIs, UI/UX design, data processing, and database configuration.
- Developed six (6) critical modules for the system – Company Admin, Branch Admin, Staff/Counters, Kiosk, Online Kiosk, and Real-time Monitor View.
- Developed a comprehensive, efficient, and optimized reporting modules for admins to view and export.
- Independently developed the system within a stringent two-month development and deployment timeframe with a five-month maintenance, adhering to strict deadlines and managing time-sensitive pressures.
- Conducted a comprehensive testing phase, prototyping and feedback, and facilitated onboarding for counter staff to ensure smooth adoption and operational efficiency.

### Department of Agriculture (DAAMIA)

Sep 2022 – Oct 2023

*Lead Full-Stack Web Developer*

*Naga City, Camarines Sur, 4400*

- Developed the entire system – DAAMIA, a weather informative website.
- Optimized the API fetching process by 80% efficiency allowing improvement in rendering pin markers on map view, drastically decreasing load time pages, and efficiency in data processing for the filter page.
- Created a background service built using C# WinForms for processing and handled storing 10,000+ records per day of real-time weather data per station into the AMIA database.
- Implemented SMTP and enforced backend security for making API calls to mitigate any request overload to the server.
- Implemented login/account features to DA-Tracking System i.e change password, account details on the page. Added editing (NCA) functionality to accounting pages and fixed bugs to the system's backend logic.
- Enforced clean project architectural practices such as the Onion Architecture in .NET Framework utilizing dependency injection allowing for better code module modularization.
- Implemented APIs, UI/UX design, data processing, and database configuration.

### JubDesk

May 2022 – Aug 2022

*Full-Stack Web Developer*

*Australia*

- Developed new features resulting in workflow efficiency in the company's HR management system.
- Troubleshooted and fixed major issues on the system allowing the company to efficiently export detailed reports on their HR system.

## PROJECTS

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### ADNU HRIS

Jun 2024 – Dec 2024

*Full-Stack Web Developer*

*Laravel, Livewire, Vite, TailwindCSS, NodeJS, Oracle*

- Wrote clear documentation, diagrams, and communicated with key stakeholders and ADNU personnel.
- Organized and enforced clean code architecture for the whole system; Created code and design templates for the team to follow.
- Redesigned the ADNU-HR system and developed data migration plans.

## ADNU RACER

Jun 2024 – Sep 2024

Backend Web Developer

Laravel, Livewire, Vite, TailwindCSS, NodeJS, Oracle

- Contributed to the design of the newly approved system's database schema by developing the conceptual model and wrote the SQL scripts for database creation.
- Contributed to creating system privileges and roles to ensure access control and data security to the system.

## STUBU.AI

Oct 2023 – Apr 2024

Lead Frontend Web Developer

React, TailwindCSS, Typescript, NodeJS, MongoDB, ExpressJS

- Lead front-end developer for STUBU.AI – an AI-powered Learning Management System that adapts to learners as an all-in-one study buddy turning education into a personalized and interactive experience; Reinventing the traditional education system.
- Assisted on UI/UX Design and made improvements to user experience (UX).
- Lead the project management for the front-end team. Utilized version control and project management tools such as ClickUp and Github for efficient collaboration and tracking of project progress.

## aiProof

Mar 2024 – May 2024

Mobile Developer

Flutter, Dart, Firebase

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## eBayan

Sept 2023 – Dec 2023

Mobile Developer

Flutter, Dart, Firebase

- An intuitive barangay-to-community mobile application for announcement creation management system.
- Project Manager of the entire project.
- UI/UX Engineer responsible for developing responsive and custom made design for an overall user experience.

## Dadsbol

Apr 2024 – May 2024

Lead Game Programmer

Unity, C#

- Lead the development of the game; a physics-based 3D ragdoll power dodgeball game. that allowed the team to stay on track of the short deadline. Developed the game's core mechanics and gameplay; Designed the game's UI/UX.
- Developed the game's AI and enforced project architecture through simulation tick-based event system that allowed for clean modularized code.
- Utilized version control and project management tools such as Trello and Github for efficient collaboration and tracking of project progress.
- Collaborated with cross-functional teams to gather requirements, work on strengths, and ensure smooth integration and development for the game.

## ACHIEVEMENTS

### Freshmen Computer Programming Competition Certificate of Achievement

Dec 2021

Ateneo De Naga University

Camarines Sur

- 18th Place among 97 freshmen participants.
- Thrived in a high-pressure environment, solving intricate problems within strict timeframes.

### Idea2Startup Fund Awardee

Dec 2021

City of Naga

Camarines Sur

- Pitched the application STUBU.AI, an adaptive study-buddy web application designed to help learners study with a personalized learning environment. Pitched the application to the Local Government Unit (LGU) of Naga City for the Idea2Startup program.
- Secured a grant totaling 53,874.36 Php earmarked for the testing and deployment phases of the website.

## CERTIFICATIONS

### Smartbooks and Power BI Certificate of Completion

Jun 2024

Ateneo De Naga University

Camarines Sur

### SAP Business One DBMS for IT Certificate of Completion

Oct 2022

Ateneo De Naga University

Camarines Sur

## CERTIFICATES

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### **AppCon2023 Development Contest Certificate of Participation**

*OTIS Japan Inc.*

Jun 2024

*Philippines*

### **JPCIS ITalks: Ethical Hacking**

*Divine World College of Calapan*

Oct 2024

*Philippines*

## TECHNICAL SKILLS

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- Knowledge in various programming languages e.g., C, C#, CSS, Dart, HTML, Java, JavaScript, PHP, Python, TypeScript.
- Knowledge in different databases and tools e.g., MySQL, MSSQL, Oracle, MongoDB, Firebase.
- Knowledge in Cloud Computing Platforms e.g., DigitalOcean and Google Cloud Platform.
- Experience in Web/Mobile/Desktop application development technologies e.g., Android SDK, ASP.NET, Bootstrap, Express.js, Flutter, jQuery, Laravel, NodeJS, React, TailwindCSS, Unity.
- Well experienced in different Operating Systems (OS) e.g., Windows and Linux.
- Proficiency in various development tools e.g., FTP, Bash, Figma, Spline, Blender, Canva, Google Suites, MS Suites, LaTeX, and version control Tools i.e., Git/GitHub/GitLab.
- Experience in technical project management on a pair or small to mid-size group of team.
- Experience in working with small to large-scale application projects following or enforcing clean code architecture.
- Strong technical adaptability on any software to hardware related topics or projects.
- Strong experience in Application, UI/UX Design, Presentation, Collaboration, and Leadership.
- Excellent communication skills and grasp of oral and written Tagalog, Bicol or English.

## EDUCATION

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### **Ateneo De Naga University**

*Bachelor of Science in Information Technology (GPA: 4.00 / 4.00)*

Expected May 2025

*Naga City, Camarines Sur, 4400*

**Relevant Coursework:** Introduction to Computing, Fundamentals of Programming (C++), Discrete Mathematics for IT Professionals, Intermediate Programming (C/C++), Quantitative Methods with Simulation and Modeling, Data Structures and Algorithms (C++), Information Management (Oracle), Human Computer Interaction, Computer Networking I (Cisco), Object-Oriented Programming (OOP), Trends in Application Development, Operating Systems (C), Advanced Database Systems (Oracle), Integrative Programming and Technologies I (R), Computer Networking 2 (Cisco), Platform Technologies, Technopreneurship for IT Professionals, 2D Game Development, Integrative Programming and Technologies II (Flutter), Information Assurance and Security I, Web Systems and Technologies, Systems Administration and Maintenance, Systems Integration and Architecture for IT Professionals, Quality Management, Information Assurance and Security II, UI/UX Design, Mobile Computing and Communication (Flutter). IT Capstone 1 and 2. IT Senior Practicum (486 Hours).

## REFERENCES

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