

Jan Andrew Barte

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Summary

Information Technology graduate with hands-on experience developing full-stack web applications using PHP, CodeIgniter, MySQL, and React Native. Experienced in building business systems, CMS platforms, and laboratory management solutions through freelance projects, internship, and academic work. A proactive and self-directed developer with strong problem-solving skills, adaptability, and a commitment to delivering practical software solutions.

Professional Experience

Freelance
Full Stack Developer

Bula, Camarines Sur
September 2023 – Present

- Simple Integrated Web & Mobile Movie Catalog System:** Helped building a cross-platform solution using CodeIgniter, Bootstrap, and React Native. Optimized backend logic to ensure real-time synchronization between web inputs and the mobile interface via RESTful APIs.
- School Management System:** Developed a web application using PHP with role-based access control. Created dashboards for administrators and students to help make enrollment processes easier, manage event calendars, and update school announcements.
- EnG Bakery Management System:** Helped in developing a management system for a bakery in Naga City, focusing on front-end development and implementing business logic aligned with operational workflows.
- Content Management System for Volleywood:** Improved the WordPress-based CMS through user interface enhancements, workflow optimization, and interactive features, increasing usability and maintainability.

Internship
DOST ASOG Technology Business Incubator
Team Leader & Lead Programmer

Nabua, Camarines Sur
February 2026 – May 2026

- Spearheaded a development team to build and launch the official Technology Business Incubator website (asogtbi.com) using PHP, Tailwind CSS, and CodeIgniter, integrating Three.js and GSAP for advanced interactive features.
- Built a Content Management System (CMS) for managing blog content and incubatee profiles.
- Designed and developed an interactive 'Guess the Startup' web game for an ASOG-TBI event, successfully increasing participant interaction at the exhibit booth.

Education

CAMARINES SUR POLYTECHNIC COLLEGES
Bachelor of Science in Information Technology.

Nabua, Camarines Sur
August 2022 - July 2026

NABUA NATIONAL HIGH SCHOOL
Humanities and Social Studies.

Nabua, Camarines Sur
May 2022

Project

CAMARINES SUR POLYTECHNIC COLLEGES
Full Stack Web Developer (Capstone Project)

Nabua, Camarines Sur
June 2025 – January 2026

- Developed "OptiCCS: An Integrated System for Monitoring and Managing Computer and Laboratory Equipment for the College of Computer Studies", which is a centralized laboratory management system using CodeIgniter (PHP) and MySQL, that aimed to replace the college's manual paper-based inventory and monitoring workflows.
- Co-developed a real-time Python and Ratchet WebSocket monitoring agent to enable remote command execution, violation detection, and live screenshot streaming utilizing fixed-parameter quality tuning across multiple lab units.

Technical Skill

Programming Languages: PHP, C++, Java, Javascript
Frameworks & Technologies: Codeigniter, React Native, Bulma, Tailwind CSS, Bootstrap, WordPress
Databases: MySQL
Tools & Version Control: Bitbucket, GitHub
Operating System: Windows, MAC OS, Linux
Web Projects: Built, designed, and maintained volleywood.net and asogtbi.com

Skills & Interests

Language: Fluent in English, Bicol, and Filipino
Interests: Filmography, Music, Blogging, Video Editing, Audio Editing, Photo Editing, Volleyball, Wikipedia Editing, App Building