

MARK ERICK PADUA SERRANO

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SUMMARY

BS Information Systems graduate (Cum Laude) and Full-Stack Web Developer experienced in building responsive web applications, database-driven systems, and workflow automation. Proficient in PHP, Laravel, JavaScript, React, MySQL, PostgreSQL, and Tailwind CSS, with experience developing secure administrative systems, student-focused platforms, and independently deployed web applications.

EXPERIENCE

Bicol University - University Registrar’s Office
OJT Intern

Rizal Street, Legazpi City, Albay
February 2026 – May 2026

- Developed the Services page for the BU Registrar Online Request System, streamlining student access to office information and services.
- Digitized student records and updated curricula and Transcript of Records (TOR) databases, significantly improving document retrieval times for administrative staff.

PROJECTS

BUeño: Independent Student Hub & Web Toolkit | 2026 – Present

- Built and deployed a student-focused web platform providing free browser-based productivity tools, PDF utilities, file converters, and other student resources.
- Implemented client-side file processing and conversion workflows to allow users to work with files directly in the browser without uploading sensitive documents.
- Live Demo:** bueno-hub.vercel.app

Student Management System for Libon East Central School | Undergraduate Capstone Thesis Project

- Engineered a secure, full-stack platform (PHP, MySQL, HTML, CSS, JavaScript) to digitize academic records and automate the generation of school forms.
- Implemented strict role-based access controls and integrated Composer packages for bulk data imports and dynamic PDF, Excel, and DOCX exports.
- Achieved an overall usability rating of 4.83 from 32 respondents based on an ISO 25010 evaluation.

CartCraft: Online Art E-commerce Platform with Auction-Based Transactions | Full-Stack Project

- Built a custom, full-stack marketplace (PHP, MySQL, HTML/CSS/JS) facilitating seamless artwork bidding, buying, and selling.
- Integrated Composer PDF for the automated generation of clean, downloadable platform data reports for users and administrators.

SKILLS

- Frontend & UI:** HTML5, CSS3, JavaScript, Tailwind CSS, React JS
- Backend:** PHP, Laravel, Google OAuth, Cloudflare Turnstile, Auth.js / NextAuth.js
- Database & ORM:** Supabase, Neon Serverless Postgres, SQL, MySQL, PostgreSQL, Drizzle ORM, Drizzle Kit
- Developer Tools:** Git, GitHub, Vite, Composer, Figma, VS Code
- Deployment & Services:** Vercel, Cloudinary, PDF / Excel / DOCX export
- AI Tools:** OpenAI, Anthropic, Claude Code, Codex
- Soft Skills & Languages:** Analytical Problem Solving, Adaptability; English, Tagalog, and Bikol

EDUCATION

Bicol University Polangui
Bachelor of Science in Information Systems

Polangui, Albay
2022-2026

- Latin Honor:** Cum Laude
- Undergraduate Capstone Thesis Title:** Student Management System for Libon East Central School
- Best Undergraduate Capstone Thesis in BS Information Systems**

AWARDS & CERTIFICATES

- Best Undergraduate Capstone Thesis – BSIS**
- 2nd Place – 2026 Bicol University Polangui Student Research and Development Forum under AGENDA 5: Inclusive and Lifelong Learning – Development Category**