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EDUCATION

Bicol University **Legazpi City, Albay**

BS Information Technology *July 2024*

- Awards: Academic Scholar, Dean's Lister
- Competitions: Participant in the Hack4Gov Cyber Challenge 2023 Bicol Region. Engaged in a capture-the-flag cybersecurity competition. Employed skills in cryptography, programming, networking, web, and more to decipher and locate flags.

WORK EXPERIENCE

HomeSphere Tech **Legazpi City, Albay**

Project Lead & Full Stack Developer *February 2023 – December 2023*

- Spearheaded the development team as lead and full-stack developer for a web-based home automation system, employing Laravel, Node.js, PHP, Vue.js, and Arduino technologies.
- Designed and implemented a prototype IoT device using microcontrollers and sensors, providing essential functionalities for the home automation system.
- Developed user-friendly web applications for local management and remote access, adhering to ISO/IEC 25010 standards to ensure functional suitability, usability, and portability.

Sangguniang Kabataan Inarado **Inarado Daraga, Albay**

Project Manager & Full Stack Developer *January 2024 – Present*

- Orchestrated the development of an RFID system for Barangay Inarado SK, leveraging Laravel, Node.js, Arduino, and Tailwind CSS technologies.
- Implemented RFID technology to monitor and manage records of SK members, enhancing efficiency in record-keeping and management processes.
- Oversaw the successful execution of the project, ensuring the seamless integration of technologies and achieving the project's objectives with a focus on user-friendly functionality.

Freelance Experience **Various Locations**

Computer Hardware Troubleshooter & Technician *2019 – Present*

- Provided on-call technical support for laptops, printers, and PCs, specializing in computer hardware troubleshooting.
- Configured and set up networks for clients, ensuring optimal performance and security.
- Delivered prompt and effective solutions, earning a reputation for reliability and technical expertise.

CERTIFICATIONS AND TRAININGS

- **CompTIA Network+ (N10-007) Cert Prep: 2 The Physical Network.**
  - Mastered essential network cabling concepts, including coaxial, twisted pair, and fiber optic cables.
  - Gained proficiency in Ethernet standards and technologies, from 100BaseT to Gigabit Ethernet
  - Understood the fundamentals of network topologies, such as bus, star, and ring topologies
  - Developed expertise in network troubleshooting methodologies and tools
- **Computer System Servicing NC II.**
  - Installed and configured computer systems, ensuring optimal performance.
  - Setup and managed of computer networks and servers, fostering seamless connectivity.
  - Maintained and repaired computer systems and networks, ensuring reliability and longevity.

SKILLS AND INTERESTS

Skills: PHP, JavaScript, HTML & CSS, C, C++, Arduino, MySQL, GIT, Figma, Microsoft Office Suite, OBS Studio, Server Administration and Maintenance, Technical Documentation, Project Management, System Analysis and Design, Requirement Analysis, Systems Deployment, Hardware Troubleshooting and Repairs.

Interests: Literature, Videography, Music Production, Writing.

PROJECTS

HomeSphere

Project Lead & Full Stack Developer

- Led the development team as the primary full-stack developer for HomeSphere, a web-based home automation system.
- Successfully coordinated a team of three developers, ensuring the delivery of a system aligned with specified requirements.
- Implemented system functionalities using Laravel and Vue.js technologies, contributing to the project's overall success.

Youth Card RFID System

Project Lead & Full Stack Developer

- Spearheaded the development team for YCRS, a web application focusing on event attendance management and seamless points redemption.
- Coordinated and led a team of 2 developers, ensuring the timely delivery of a system aligned with specified requirements.
- Implemented crucial system functionalities utilizing Laravel and Vue.js technologies, contributing significantly to the project's overall success.

Arduino Based Irrigation System

Project Lead & Vice Hardware Developer

- Collaborated effectively with a team of three developers and agricultural engineering students to design and implement an Arduino-based system.
- Monitored and recorded data for research purposes, contributing to advancements in irrigation technology.