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### **About Me:**

Hardworking, creative, prepared, and focused to keep developing and growing in my profession. Developing new abilities and skills daily.

### **Job Objective:**

To gain experience, learn, support myself financially and grow in this environment.

### **Key Skills:**

Basic to advance computer hardware and software troubleshooting, Proficient in Microsoft programs such as Microsoft Word, Access, Paint, Excel, PowerPoint and more. Numerous programming languages (JavaScript, PHP, Python) and database management especially in MySQL.

### **Experience:**

#### **Undergraduate Academic Projects:**

##### **Feed Mill Inventory Management System (FIMS) (2024-2025)**

The Feedmill Inventory Management System (FIMS) is a complete web-based program developed for Goodwill Feedmill to improve inventory tracking, supply chain integration, and overall operational efficiency in feed manufacturing. This system solves the special issues that feedmill companies confront, particularly inventory management for poultry and swine feed.

##### **Reservation and Tracking System for RGO (BSU) (2023-2024)**

The Uniform and Supplies Order Reservation and Tracking System, created for the Resource Generation Office (RGO) at BSU, is intended to speed up the ordering process for uniforms and other important supplies, ensuring effective management and availability.

##### **Sustainability Dashboard (2023-2025)**

A sustainability dashboard is a web-based centralised platform to track and analyse their SDG goals and progress, developed for Batangas State University. It helps identify areas of improvement, highlights successes, and enables data-driven decision-making to align with

sustainable practices.

### **Mega Module Market Place (2024-2025)**

The Mega Module Marketplace is an e-commerce website designed to sell electronic devices. Built using HTML, CSS, and JavaScript, it features a modern, user-friendly interface with a responsive design, allowing for seamless navigation across devices. The platform includes essential functionalities like product listings, a shopping cart, and checkout systems. It also integrates smooth animations and dynamic content updates for an engaging user experience, ensuring fast load times and interactive browsing. The website follows web standards for accessibility and security compliance, providing a secure and inclusive shopping environment

### **Work Experience:**

#### **Web Developer / IT Support**

Metro Mobilia Corporation

5/13/2025 – Present

Following the transition of IT responsibilities from senior staff, I became the sole handler of company-wide IT operations, serving as the primary point of contact for all IT-related concerns.

I managed end-to-end IT support across the organization, covering:

- **Networking:** Setup, maintenance, troubleshooting, and procurement of routers, modems, and switches, with ongoing performance optimization.
- **Hardware & Software Support:** Procurement, installation, configuration, and support for internal users and external after-sales operations.
- **Server Administration:** Deployment and management of an on-premise physical server, including monitoring, troubleshooting, and ensuring uptime and scalability.
- **IoT & Devices:** Configuration and maintenance of printers, Smart TVs, biometric systems, RFID access, and CCTV systems.

#### **Systems, Development & Infrastructure**

- **Web & Internal Systems Development:** Designed and deployed internal tools including a project & inventory tracking system, scanner-based web app, QR code system, and analytics dashboards (via Metabase).
- **Automation (n8n):** Built and maintained automation workflows, including AI-integrated processes, to streamline operations and reduce manual workload.
- **Containerization:** Managed applications using Docker and Portainer for service isolation and efficiency.
- **Hosting & Domains:** Administered domains, DNS, email systems, and hosting platforms (GoDaddy, IONOS).

- Cloudflare: Secured and managed server access, routing, and DNS using Cloudflare tunnels.

#### Security & Monitoring

- Implemented Wazuh for centralized security monitoring, log analysis, and threat detection across infrastructure.

#### Access & Documentation

- Managed and documented access to domains, servers, Cloudflare, automation tools (n8n), monitoring (Wazuh), container systems, internal platforms, and backups.
- Maintained and prepared system source codes and configurations for turnover (via GitHub).

#### Initiative & Improvements

- Proposed infrastructure upgrades such as managed switches (VLAN support), DNS centralization via Cloudflare, and internal WordPress hosting for easier website deployment.
- Identified automation opportunities (e.g., receipt processing, email automation) to further improve efficiency.
- Developed a local AI/LLM deployment (Ollama, Mistral, Phi-3) integrated with n8n for automation and insights—functional and available for future company use.

#### Data Engineering & Analytics (SAP Business One Dashboard)

- Designed and implemented a modern data stack to consolidate and analyze SAP Business One (SAP B1) data across multiple sources.
- Built ELT pipelines using Airbyte to extract and load incremental data from SAP B1 and related systems into a centralized warehouse.
- Modeled and transformed raw data into clean, analytics-ready datasets using dbt, applying structured, reusable SQL-based transformations.
- Utilized PostgreSQL as the central data warehouse for storing and managing raw and transformed datasets.
- Developed interactive dashboards and business reports in Metabase to provide real-time insights for operations, inventory, and management decision-making.
- Integrated AI-assisted querying and analysis workflows using Claude to enable natural-language data exploration and faster report generation.
- Implemented incremental loading, data validation, and transformation best practices to ensure data accuracy, consistency, and performance.

**Certifications:**

PhilNITS - 2024, October 27 - IP2700189 - Information Technology Passport (IP) Certification Exam Passer

**Education:**

Secondary education:

Fernando Air Base Integrated National High School (2015 to 2019)

La Purisima Conception Academy

Science, Technology, Engineering and Mathematics (June 2019 to June 2021)

College Undergrad: Batangas State University

Bachelor of Science in Information Technology (August 2021 to 2025)

*I hereby certify that the above-mentioned information is true and correct to the best of my knowledge and belief.*



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**Rey Harold Matanguihan**