

# MUROS, LORENCE GLEN B.

Bansud, Oriental Mindoro, Philippines

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## SUMMARY

A passionate Computer Engineering student specializing in full-stack development using C#, ASP.NET Core, and PHP Laravel. Experienced in developing responsive, data-driven web and desktop applications with a solid foundation in database management, UI/UX design, and system visualization through diagrams, flowcharts, and ERDs.

## TECHNICAL SKILLS

**Programming Languages:** C#, PHP, Java

**Frameworks:** ASP.NET Core MVC, Entity Framework Core, Laravel

**Developer Tools:** GitHub, Visual Studio Code, Visual Studio, Herd, SQL Server Management Studio, Android Studio

**Database:** Microsoft SQL Server, Supabase, Firebase

**Others:** WinForms and .NET 8 Application Development, WinUI, Bootstrap Studio, Draw.io

## PROJECTS

**Appointment Management System** | PHP, Laravel, HTML, CSS, JavaScript, Bootstrap, Supabase

- **Full-Stack Development:** Designed and developed the full-stack architecture for a dental clinic's scheduling platform, enabling contactless slot booking and automated patient reminders to reduce no-shows and optimize the clinic's patient handling.
- **System Design:** Designed responsive landing pages and admin/user dashboards using Bootstrap and Bootstrap Studio, ensuring a consistent device experience and efficient design workflow.
- **Hosting and Cloud Integration:** Implemented a cloud-based database using Supabase and deployed the system through Render, ensuring reliable data accessibility and uptime.
- **Security Implementation:** Applied role-based access control to protect sensitive operations and maintain data integrity.
- **System Architecture:** Utilized the MVC pattern in Laravel to ensure scalability, maintainability, and clean code organization.
- **Quality Assurance:** Performed comprehensive testing, debugging, and error handling to enhance system reliability and user satisfaction.

**GrocerEase** | C#, ASP.NET Core MVC, HTML, CSS, JavaScript, Bootstrap, Entity Framework Core, Microsoft SQL Server

- **Collaboration:** Partnered in a two-person team developing a Web-based Inventory Management System, primarily focusing on backend development, database design, and MVC architecture integration.
- **System Design:** Created a website application with stock-monitoring features, various stock level alerts, and report generation.
- **Database Management:** Designed and implemented the database using a code-first approach with Entity Framework Core, ensuring flexibility and scalability. Modeled data entities essential for the inventory management system.
- **System Architecture:** Applied the Model-View-Controller (MVC) design to ensure a systematic development process, promote maintainability, and adhere to the Separation of Concerns principle.
- **Testing and Debugging:** Conducted rigorous testing, debugging, and error-handling to ensure stability, performance, and user satisfaction, both in the system's UI and backend.

**CLAMBook** | C#, WinForms, Microsoft SQL Server Express

- **Team Leadership and Collaboration:** Led a 4-person team in developing the university's automated library attendance system, ensuring milestones were met and maintaining strong coordination throughout the project.
- **Problem Analysis and Methodology:** Identified inefficiencies in manual attendance tracking and implemented an automated solution using a Modified Incremental Model with Agile-inspired iterations.
- **System and UI Design:** Designed and developed two WinForms applications: a kiosk-style client app equipped with RFID scanning and on-screen typing for attendance logging, and an admin app for monitoring and library log report generation. The admin app includes data visualization and bulk data processing, while both feature intuitive, user-friendly interfaces.
- **Database Management and Network Configuration:** Designed a relational database with remote access using Microsoft SQL Server Express and configured communication protocols for seamless data transfer between applications.
- **System Architecture & Logic:** Planned and implemented backend logic and overall architecture for seamless operations, data validation, and data connectivity.
- **Documentation:** Authored comprehensive technical documentation, including database schema, logic design, and user manuals.

## EDUCATION

**MINDORO STATE UNIVERSITY – BONGABONG CAMPUS**

Bachelor of Science in Computer Engineering

S.Y 2022 - Present

Dean's Lister

**INNOVATIVE COLLEGE OF SCIENCE AND TECHNOLOGY**

Science, Technology, Engineering, and Mathematics (STEM)

S.Y 2020 - 2022

With High Honors

**ST. MATTHEW ACADEMY OF CAVITE**

Junior High School

S.Y 2016 - 2020

With Honors

## CERTIFICATIONS

**IT CUSTOMER SUPPORT BASICS**

Lynn Bloomer, Cisco Networking Academy

May 2025

**FOUNDATIONAL C# WITH MICROSOFT**

Quincy Larson, Julia Liuson, Microsoft

January 2025

**WEBFLOW 101**

Emilly Lonetto, Webflow

January 2025