

LYLE AGREDA

AI-Assisted Software Development | Full-Stack Web Development
| IT Business Solutions

Philippines | pepotsagreda@gmail.com | WhatsApp +63 975 173 8785
LinkedIn: linkedin.com/in/lyleagreda

Professional Summary

Full-stack developer with experience designing and developing business-oriented web applications, database-driven systems, and digital solutions that improve operational efficiency and user experience. Skilled in AI-assisted software development, system analysis, application architecture, and modern development workflows to accelerate software delivery while maintaining code quality. Experienced in translating business requirements into scalable, maintainable, and user-focused solutions through full-stack web development, database management, and collaborative problem-solving. Committed to building secure, efficient, and impactful technology solutions that support business growth and digital transformation.

Technical Skills

Programming Languages

- JavaScript (ES6+)
- PHP
- SQL

Frontend Development

- HTML5
- CSS3
- Tailwind CSS
- Bootstrap
- Responsive Web Design

Backend Development

- PHP
- REST API Fundamentals
- Authentication & Authorization

Database

- MySQL
- Database Design
- CRUD Operations
- Relational Database Management

Software Engineering

- Object-Oriented Programming
- Software Development Life Cycle (SDLC)
- Systems Analysis & Design
- Software Testing
- Debugging
- Technical Documentation

Version Control

- Git
- GitHub

Tools & Platforms

- Visual Studio Code
- Figma
- Postman
- Microsoft Office
- Google Workspace

AI Development

- ChatGPT
- Claude AI
- Gemini AI
- AI-Assisted Development Workflow

Academic Projects

Smart Health Integration: AI-Driven Solution for Unified Health Information System in Malaybalay City, Bukidnon

Capstone Project | 2025 – Present

- Collaborating in the design and development of a unified health information system to improve healthcare data management and support data-driven decision-making.
- Contributing to system analysis, database design, interface development, and software documentation using modern web technologies and AI-assisted development workflows.
- Supporting the implementation of scalable, user-centered solutions for healthcare professionals and local government stakeholders.

Impasug-ong Tourism Accommodation & Booking Management System

Academic | LGU Collaboration Project

- Collaborated with the **Local Government Unit (LGU) of Impasug-ong, Bukidnon** to develop a web-based accommodation and booking management system supporting local tourism operations.

- Participated in requirements gathering, system analysis, interface design, database development, and software testing.
- Developed features to streamline accommodation listings, reservation management, and administrative workflows.

Impasug-ong Tourism Destination Management & Booking System

LGU Collaboration Project

- Partnered with the **Local Government Unit (LGU) of Impasug-ong, Bukidnon** to develop a centralized tourism destination management and online booking platform.
 - Contributed to business process analysis, database design, responsive interface development, and technical documentation.
 - Supported the creation of a digital platform to improve destination promotion, visitor engagement, and booking management.
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Professional Experience

Digital Operations & Marketing Associate

ProSmart Estate | 2024 – Present

- Managed digital marketing operations and maintained business data using cloud-based productivity and collaboration platforms.
- Organized and maintained customer records, ensuring data accuracy and efficient information management.
- Streamlined digital workflows to improve operational efficiency and support day-to-day business processes.
- Collaborated with cross-functional teams to coordinate projects, resolve operational challenges, and improve communication.
- Monitored marketing performance through analytics and generated reports to support business decisions.
- Utilized digital tools and AI-assisted workflows to enhance productivity, content management, and administrative operations.

Digital Marketing & Business Operations Associate

Independent Contractor | 2024 – Present

- Supported business owners with administrative operations, digital workflow management, and project coordination across multiple industries.
 - Managed business documentation, digital assets, and cloud-based file organization using Google Workspace and Microsoft Office.
 - Leveraged AI-assisted tools to streamline research, documentation, content creation, and process automation.
 - Coordinated tasks, deadlines, and project deliverables using collaboration platforms such as Trello and Notion.
 - Assisted in implementing efficient digital workflows that improved productivity and operational effectiveness.
 - Maintained professional communication with clients while supporting remote business operations and administrative functions.
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Education

Bachelor of Science in Information Technology

Bukidnon State University

Expected Graduation: 2027

Relevant Coursework

- Software Engineering
 - Web Systems & Technologies
 - Systems Analysis & Design
 - Database Management Systems
 - Information Security
 - Computer Networks
 - Human-Computer Interaction
 - Object-Oriented Programming
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Achievements

- Selected to participate in academic-LGU collaboration projects focused on developing digital solutions for the Municipality of Impasug-ong, Bukidnon.
- Contributed to the development of multiple business-oriented and public-sector web applications as part of academic and collaborative software projects.

- Successfully facilitated business discussions and client consultations, supporting project coordination and relationship building.
 - Leveraged AI-assisted development workflows to improve software engineering productivity and technical documentation.
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Languages

English (Professional Working Proficiency)

Filipino (Native)