

IAN ANGELO M. SIMBULAN

Philippines | [Linkedin](#) | [Website](#) | [GitHub](#) | angelosimbultan16@gmail.com | 0927-134-0561

PROFILE SUMMARY

Computer Science graduate with a strong foundation in software engineering and hands-on experience in full-stack development, ERP systems, and backend frameworks. Proficient in building scalable business applications using Odoo, Spring Boot, React.js, and Flask, with expertise in database management, API integration, and real-time systems. Known for quickly adapting to new technologies, solving practical problems through code, and contributing effectively in agile, collaborative teams. Eager to deliver impactful solutions and continuously grow as a developer.

PROFESSIONAL EXPERIENCE

Full Stack Developer

Achieve Without Borders Inc.

2024 - Present

Makati, PH

- Led full-cycle development of integrated business applications using the Odoo framework, from technical planning to deployment in an agile, collaborative environment.
- Spearheaded the design and implementation of a comprehensive real estate management system, including dynamic property listings, client records, and transaction tracking, enhancing operational workflows.
- Contributed to the development and optimization of custom modules for sales, manufacturing, and product management within Odoo, improving business process efficiency and system scalability.
- Owned and enhanced core components of an enterprise Human Resource Information System (HRIS), resolving critical bugs, improving system performance, and delivering new features to boost user experience.
- Developed custom portal views within the HRIS to improve user accessibility and usability, aligning with organizational requirements and user needs.
- Quickly adapted to and mastered the Odoo framework, applying it to deliver tailored business solutions with measurable impact.
- Completed the Google Workspace End User Learning Path in December 2024, demonstrating commitment to continuous learning and productivity improvement.

Freelance Full Stack Developer

2023 - Present

PH

- Developed a web-based HR management system for ATHS using PHP, JavaScript, and phpMyAdmin, streamlining employee management with features like attendance tracking and leave management.
- Designed and built a personal portfolio website using React, showcasing web development skills with a responsive and interactive design.
- Created a web-based inventory management system for ATHS, automating item tracking and approval processes with multi-level user access and email notifications.
- Developed a Java-based QR-enabled tool management system, integrating real-time inventory tracking with MySQL and Java Swing, providing a seamless user interface for tool monitoring.
- Built a real-time sentiment analysis platform for Twitch streamers using React.js, Flask, and MongoDB, integrating Gemini AI to provide insights and summaries of chat messages for streamers to better understand viewer sentiment.

PROJECT WORK

Custom ERP Solutions: BIR-CAS Compliant Sales and Manufacturing Modules

- Customized Odoo Sales and Manufacturing modules to comply with BIR-CAS regulations, ensuring accurate and audit-ready records for tax and regulatory reporting.
- Streamlined order processing and inventory workflows by automating key operations within the ERP system.
- Implemented custom features for tracking work orders, material requirements, and stock levels to support real-time inventory visibility.
- Optimized production scheduling and resource allocation, reducing manual work and improving delivery timelines.
- Enhanced overall operational efficiency by integrating tailored solutions into the existing ERP infrastructure.

Unherd the Human Herd (UHH) - Human Resource Information System

- Contributed to the development and enhancement of UHH, a locally built HRIS tailored for Filipino companies, using the Odoo framework.
- Designed and implemented custom portal views to improve user accessibility and streamline key HR workflows.
- Diagnosed and resolved critical bugs across multiple modules, ensuring reliable performance in recruitment, timekeeping, payroll, and performance management.
- Enhanced overall system usability and functionality, supporting smoother HR operations and better user experience.

Real-Time Chat Sentiment Analysis for Twitch Streamers

- Engineered a full-stack web application using React.js, Flask, and MongoDB to provide Twitch streamers with real-time sentiment analysis based on live chat messages.
- Integrated Gemini AI to analyze viewer interactions and generate concise, actionable sentiment summaries, helping streamers better understand audience engagement.
- Designed and implemented interactive data visualizations (graphs and summaries) to display sentiment trends in a user-friendly dashboard.
- Developed secure user authentication and admin panel features to manage access and ensure data privacy for streamers.
- Delivered a scalable tool that enhances live content strategy through AI-powered insights and real-time audience feedback.

QR-Enabled Tool Management System

- Designed and developed a Java-based desktop application for real-time tool tracking, leveraging QR code scanning to automate inventory management and improve accuracy.
- Integrated a MySQL database to securely store and manage tool records, enabling reliable data access and efficient update handling.
- Implemented multithreading to support concurrent scanning and database operations, ensuring seamless performance and responsive user experience.
- Built a user-friendly interface with Java Swing, featuring custom table actions and real-time status updates to streamline tool monitoring and reduce manual overhead.
- Improved operational efficiency by minimizing tracking errors and enabling faster, data-driven tool management across departments.

ATHS Inventory Management System

- Built a full-featured web-based inventory system using PHP, JavaScript, HTML/CSS, and phpMyAdmin, automating item tracking and request workflows for school operations.
- Designed and implemented a role-based access system with multi-level permissions to ensure secure, structured user management.
- Streamlined inventory approvals with automated workflows and email notifications, eliminating manual paperwork and accelerating processing times.
- Developed a responsive, intuitive user interface, enhancing accessibility across devices and improving overall user experience.
- Improved operational efficiency and inventory accountability by reducing manual errors and standardizing request handling.

Personal Portfolio / Website

- Designed and developed a responsive portfolio website using React, showcasing projects, technical skills, and professional background in a clean, interactive layout.
- Applied modern CSS and JavaScript practices to create an engaging user interface optimized for both desktop and mobile devices.
- Organized content into intuitive sections for project highlights, skillset, and contact details, enabling smooth navigation and clear presentation of expertise.
- Demonstrates full-stack web development proficiency and serves as a live representation of technical and design capabilities.

IntelliWatch

- Engineered a real-time fall detection solution using Python, leveraging YOLOv8 for human keypoint tracking and a custom CNN model to identify abnormal movements indicative of falls.
- Integrated Twilio API to deliver instant SMS and email alerts with incident snapshots and contextual injury analysis, ensuring rapid emergency response.
- Deployed the system using CCTV and webcam feeds, enabling 24/7 monitoring for elderly care environments and significantly improving safety and response times.
- Delivered a practical, AI-powered solution aimed at enhancing proactive care and minimizing risks in vulnerable populations.

ATHS Human Resource Management System

- Built a web-based HR system using PHP, JavaScript, HTML/CSS, and phpMyAdmin, automating key functions like attendance tracking, leave management, and employee record updates.
 - Streamlined HR operations by automating leave balance calculations and minimizing manual data entry, increasing accuracy and administrative efficiency.
 - Developed a role-based access control system to ensure secure, structured, and scalable management of employee data and system functionalities.
 - Enhanced user experience through a responsive, intuitive interface, enabling easy access and navigation across devices.
 - Contributed to a more efficient and organized HR workflow by centralizing records and digitizing approval processes.
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TECHNICAL SKILLS

- Programming Languages: C++, Java, Python, JavaScript
 - Web & Backend Development: Spring Boot, Flask, PHP, Odoo, RESTful APIs
 - Frontend & UI Development: HTML, CSS, React.js
 - Database Management: SQL, MySQL, phpMyAdmin, PostgreSQL, MongoDB
 - Mobile Programming: Android Studio (Java)
 - Networking and Communication: Cisco
 - Tools & Technologies: Git, Docker, GitHub, GitLab
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CERTIFICATIONS

- Civil Service Eligibility - Professional
 - Devnet Associate
 - CCNA: Introduction to Networks
 - IT Specialist – Python
 - IT Specialist – Java
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EDUCATION

FEU Institute of Technology

2021 - 2025

BS Computer Science with Specialization in Software Engineering

Manila, PH

- President's Scholar - [2021-2025]
- Project manager and backend developer of IntelliWatch A Fall Detection System Using Computer Vision
 - Best Thesis and Most Innovative
 - Best Audio Visual Presentation
 - Best Poster
- FEU Tech Association for Computing Machinery (ACM) Marketing Junior Officer
- FEU Tech Association for Computing Machinery (ACM) Member
- FEU Tech Junior Philippine Computer Society (JPCS) Member
- Dean's Lister
- Top Performing Student in Software Engineering

Assumpta Technical High School

2015 - 2021

Science, Technology, Engineering, and Mathematics (STEM)

Pampanga, PH

- With High Honors Awardee