

Echem, Izakahr O.

Imbatug, Baungon. Bukidnon 8707

Mobile: 0916-2870-359 **E-mail:** izakahr25i@gmail.com

Github: <https://github.com/Crackr25>

Personal Profile

With a Bachelor of Science in Information Technology achieved Cum Laude from the University of Science and Technology of Southern Philippines - Cagayan de Oro Campus, I have solidified my academic foundation. My professional journey includes roles as a Full Stack Developer at CK Children's Publishing, where I contribute to the development of various digital solutions. Additionally, I served as an Admin Assistant at LGU Baungon, honing my administrative skills. My extensive portfolio encompasses diverse projects such as a Health Information Management System, Learning Management System Web, and ICT eBooks Mobile Application, all of which showcase my proficiency in backend and frontend technologies including PHP, Laravel, HTML, CSS, and JavaScript, alongside my ability to deploy applications to cloud platforms. Further, I developed an innovative art sharing platform called Eva, demonstrating my creativity and technical acumen. My dedication to continuous learning is reflected in certifications such as Cisco CCNAv7, and I am passionate about leveraging technology to address real-world challenges.

Education

Bachelor of Science in Information Technology, Cum Laude

- University of Science and Technology of Southern Philippines - Cagayan de Oro Campus 2019 – 2023

Work Experience

Full Stack Developer

- CK children's Publishing
- February 2022 – Present

Admin Assistant

- LGU Baungon
- July 2021 - January 2022

Projects and Portfolio

Health Information Management System:

Comprehensive digital platform designed to efficiently organize, store, retrieve, and manage patient medical records and administrative data within healthcare facilities.

Doctor Portal

- **Prescription Management Module:** Allows doctors to create, view, update, and track prescriptions for their patients, including medication details, dosage instructions, and refill requests.
- **Complaints Management Module:** Enables doctors to receive, review, respond to, and resolve patient complaints, ensuring effective communication and addressing concerns promptly.
- **Schedule Availability Management Module:** Allows doctors to set and manage their availability for appointments, including scheduling, rescheduling, and canceling appointments, optimizing their workflow and patient care delivery.

Nurse Portal

- **Complaints Acceptance Module:** Allows nurses to receive, review, and escalate patient complaints to appropriate personnel for resolution, ensuring timely response and effective communication between patients and healthcare providers.
- **Appointment Management Module:** Enables nurses to schedule, reschedule, and cancel appointments for patients, coordinating with doctors' schedules and optimizing patient care delivery.
- **Doctor Connection Module:** Facilitates communication and collaboration between nurses and doctors, allowing nurses to send messages, queries, or updates to doctors regarding patient care, treatment plans, and other relevant information for seamless coordination and teamwork.

Clinic Admin Portal

- **Medicine Inventory System:** Enables clinic staff to manage and track the inventory of medicines, including stock levels, expiration dates, and replenishment orders, ensuring efficient supply management and availability of medications for patient care.
- **Online Status of Doctor and Nurse Accounts:** Provides real-time visibility into the availability and status of doctor and nurse accounts, allowing clinic administrators to monitor their online presence, availability for appointments, and responsiveness to patient needs, enhancing operational efficiency and patient satisfaction.

Learning Management System Web

A comprehensive learning management system (LMS) built to streamline the administration, delivery, tracking, and evaluation of educational courses and training programs, providing a centralized platform for seamless interaction and engagement between learners and instructors with a variety of learning materials. Widely deployed and utilized across more than 30 schools throughout the Philippines, showcasing its effectiveness and adaptability in diverse educational settings.

Admin Portal

- **Learning Materials Management:** Allows administrators to upload, organize, and manage educational resources for courses and training programs.
- **Classroom Oversight:** Provides a view of all student and teacher classrooms, enabling administrators to monitor activities and progress.
- **Account Management:** Facilitates the management of student and teacher accounts, including user registration, permissions, and profile updates.
- **User Management Portal:** Offers a centralized platform for administrators to handle user-related tasks efficiently, such as account creation, modification, and access control.

Quiz Module

- **Quiz Creation:** Empowers administrators to create quizzes with various question types including fill-in-the-blank, multiple choice, and drag-and-drop, enhancing the diversity of assessment methods.
- **Question Types:** Allows for the inclusion of diverse question formats to assess student comprehension and engagement effectively.
- **Flexible Assessment:** Provides administrators with the flexibility to tailor quizzes to match the learning objectives and preferences of the course or training program.
- **Enhanced Learning Experience:** Enriches the learning experience by offering interactive and engaging assessment activities designed to reinforce knowledge and skills acquisition.

Teacher Portal

- **Classroom Code Generation:** Enables teachers to create and generate unique codes for their classrooms, facilitating student enrollment and access.
- **Student Communication:** Provides a chat feature for teachers to communicate directly with students, fostering collaboration and addressing queries efficiently.
- **Assignment and Book Assignment:** Allows teachers to assign books and assignments to students, facilitating personalized learning experiences and academic progress tracking.
- **Announcement Creation:** Empowers teachers to create and distribute announcements to students, keeping them informed about important updates, deadlines, and events.

Student Portal

- Quiz Participation: Enables students to answer quizzes created by their teachers, allowing for interactive assessment and knowledge reinforcement.
- Classroom Enrollment: Allows students to join classrooms by entering the unique codes generated by their teachers, facilitating seamless access to course materials and collaboration with peers.
- Assignment Submission: Provides a platform for students to submit assignments assigned by their teachers, streamlining the process of academic task completion and feedback exchange.

ICT ebooks Mobile Application

Developed the backend for an ICT eBooks Mobile Application, now available on the Play Store and actively utilized by over 30 schools across the Philippines, facilitating seamless access to educational resources in the field of Information and Communication Technology (ICT).

Entrance Exam & Guidance Platform

Entrance Exam & Guidance Platform is a comprehensive web application facilitating the creation and evaluation of entrance exams, alongside providing guidance services including report reception, complaint management, and appointment scheduling for effective student support.

Entrance Exam Creation Module:

- Allows creation of entrance exams with categorized questions.
- Features automated checking for instant results.
- Includes manual checking feature for subjective assessments.
- Applicant Evaluation Module:
 - Enables acceptance or rejection of applicants based on their exam scores.
 - Provides a systematic approach for evaluating and processing applicant data.

Guidance Portal:

- Report Reception: Facilitates the reception of reports from students or staff.
- Complaint Management: Allows for the management and resolution of complaints received through the portal.
- Appointment Scheduling: Enables scheduling appointments based on the reports received, ensuring timely guidance and support.

Inventory System

The Inventory System includes modules for adding inventory with detailed records, managing cashier transactions, user account administration, and generating comprehensive reports for informed decision-making

- Allows addition of inventory items with detailed records including item name, description, quantity, price, etc.
- Cashier Management Module:

- Facilitates cash transactions, recording sales, returns, and handling payments.
- Enables the management of user accounts with features for creating, editing, and deleting user profiles, as well as assigning permissions.
- Generates various reports such as inventory levels, sales transactions, profitability, etc., providing insights for informed decision-making and analysis.

Accounting System

Financial Transaction Recording Module:

- Records all financial transactions such as sales, purchases, expenses, and revenues.

Accounts Receivable Module:

- Manages the accounts receivable process, including invoicing customers, tracking payments, and sending reminders for overdue payments.

Accounts Payable Module:

- Manages the accounts payable process, including recording bills, tracking due dates, and managing payments to vendors and suppliers.
- User Access Administration Module:
- Administers user access to the accounting system, including creating, modifying, and deleting user accounts, as well as setting permissions and access levels.

Reporting Module:

- Generates various financial reports such as balance sheets, income statements, cash flow statements, and financial ratios, providing insights into the financial health and performance of the organization.

Other projects:

○ Book Tracking App

My simple book tracking web app, powered by Next.js frontend and FastAPI Python backend, utilizes Node.js and Docker for seamless deployment and efficient management, offering users intuitive book management and tracking capabilities.

Github link: <https://github.com/Crackr25/BookTrackingApp>

○ Eva

Eva, an innovative art sharing platform developed using Android Studio and Kotlin, is designed as a submission for the Google Solution Challenge. This mobile application serves as a vibrant hub for artists to showcase their work, connect with fellow creators, and engage with a supportive community, fostering creativity and collaboration

Github link: <https://github.com/Crackr25/Eva>

○ Queuing system

A queuing system developed with Python's Tkinter and C, designed to streamline and organize customer flow in various establishments such as banks, hospitals, and service centers. This application offers an intuitive interface for both staff and customers, facilitating efficient queue management and reducing wait times.

Link: <https://rb.gy/isfwm8>

Skills

Proficient in PHP and Laravel:

Demonstrated expertise in PHP programming language and Laravel framework.

- Ability to develop and maintain robust backend solutions, ensuring scalability and performance.
- Strong knowledge of HTML, CSS, JavaScript, and front-end web development:

Proficiency in HTML for creating structured web pages.

- Strong command of CSS for styling and layout design.
- Sound understanding of JavaScript for implementing dynamic and interactive features.
- Experience in frontend web development, focusing on creating engaging user interfaces.
- Proficiency in React.js for front-end development:

Skilled in utilizing React.js library to develop interactive and responsive user interfaces with a familiarity using Docker and a strong understanding of version control.

- Experience in building single-page applications (SPAs) and reusable UI components using React.js.
- Proficient in Docker for containerization of applications, enabling efficient deployment and scalability.
- Demonstrated ability to manage version history effectively using Git, ensuring smooth collaboration and tracking of changes across projects.

Familiar with SEO and Keyword Research:

- Knowledge of SEO principles and best practices to enhance website visibility and ranking.
- Ability to conduct keyword research and implement strategies to optimize content for search engines.
- Knowledge of deploying web applications to the cloud using Heroku, Fly.io, and other cloud platforms:

Proficient in identifying and resolving technical issues and challenges.

- Ability to analyze complex problems systematically and develop effective solutions.
- Strong attention to detail and commitment to delivering high-quality solutions.

Certifications

- Cisco CCNAv7: Introduction to Networks (Aug 12, 2021)
- Cisco CCNAv7: Switching, Routing, and Wireless Essentials (Feb 25, 2022)

Hobbies and Interests

I enjoy reading articles related to AI, Machine Learning, Cybersecurity, Bug Bounty, Affiliate Marketing, and many more. Occasionally, I write console programs that automate various tasks such as web scraping and publishing content via YouTube and Blogger API.