CHESTER KELVIN ALBA

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Education

National University – Baliwag

Bachelor of Science in Information Technology with Specialization in Mobile and Web Applications

- Mobile Development, Web Development, Database Management

Academic experience

NU Baliwag Literates:
- Member

Google Developer Student Clubs – NU Baliwag Chapter:
- Member

Projects

Styli (Back-End Developer, Project Manager**):**   **Flutter | Dart | Firebase**

Description:
> A mobile app powered by AI to assist users in digital wardrobe organization, personalized wardrobe suggestions, and decision fatigue. It combines augmented reality to support virtual try-ons, clothing utilization of usage to facilitate sustainability, AI powered outfit generation, and a social community to share and search outfits.

- Developed a digital wardrobe application for Android and IOS
- Integrated Google Vision API (later Gemini) to recognize clothing category, color, and style
- Managed both the application's logic and implemented backend data storage using Firebase

ChefBuddy (Back-End Developer**):**   **Flutter | Dart | Firebase**

Description:
> A mobile application that creates recipes and meal plans of users depending on the household ingredients they have or their own diet. It offers easy-to-follow cooking guidance, nutrition, and suggested calorie consumption to lessen food waste and boost the well-being of foods and dietary lifestyle among students, hectic people, and the family.

- Developed a mobile application that generates meal recipes based on available household ingredients and user's diet
- Designed dynamic meal plans with nutritional info
- Managed both the application's logic and backend systems for data storage

Ausi's Digital Rental System (Back-End Developer, Project Manager**):**   **PHP | HTML | phpMyAdmin**

Description:
> A web-based solution built to facilitate the restructuring of the stall rental business and enhancement of relationship with tenants at Sta. Rita Mini Market Corporation. The system has an interactive digital floor plan to allocate the stalls efficiently, track the availability in real time, automated booking, collect rent, track payments, and issue invoices.

- Developed a digital rental system to improve tenant rental experience
- Implemented PayMongo's payment gateway for secure online transactions
- Oversaw both the application's core logic and MySQL backend

Sip&Subs' E-Commerce Platform and Point-of-Sales system (Back-End Developer**):**   **PHP | HTML | phpMyAdmin**

Description:
An internet-based Sips and Subs web system with the ability to order online and sell at the store with an integrated point of sale. It provides real-time inventory syncing, and tracking of orders, and secure transactions to improve operation and customer experience.

- Developed an e-commerce platform for beverage & sandwich sales with an integrated POS system
- Implemented omni-channel inventory management to synchronize online and in-store stocks real time
- Developed core features and backend data storage

FitFusion (Back-End Developer**):**   **ReactJS | Firebase**

Description:
A cross-platform mobile application (Android and iOS) that offers customized meal plans, monitors the dietary habits of the users and links them with professional trainers to have real-time coaching and chat support.

- Developed a mobile app that offers personalized meal plans and recipes
- Enabled users to hire and chat with professional trainers within the platform
- Implemented scheduling and progress tracking for clients and trainers

BasicThrifts' E-Commerce Platform (Back-End Developer, Project Manager, Front-End Developer**):**   **PHP | HTML | phpMyAdmin**

Description:
A website for BasicThrifts that enables product listings and order management to give simple online shopping experience for a small thrift store.

- Created an e-commerce platform for BasicThrifts
- Implemented product listing and order management

Agrisite (Back-End Developer**):**   **PHP | HTML | phpMyAdmin**

Description:
A Web-based online marketplace in partnership with Bossjhun's Agrisupply, featuring custom inventory and order-management tools to support both the store and the farmers agricultural supply needs.

- Developed a Web-based marketplace using PHP, HTML and phpMyAdmin for the database
- Customized inventory and order-management features to fit agricultural supply needs

Technical Skills

Languages: Flutter, Dart, HTML5, CSS, SQL, PHP, Java, JavaScript,

Developer Tools: Firebase Console, Stripe, PayMongo Dashboard, Git & GitHub, Android Studio, Visual Studio Code, Figma, phpMyAdmin

Libraries/Frameworks: ReactJS, Google Vision API, Gemini API, Bootstrap, jQuery

Certifications / Achievements

Presented Research Paper - "ChefBuddy: A Mobile Application for Meal Recipe Generation Based on Available Household Ingredients" at PSiTE (iRCITE), April 4, 2025

Certificate of Training Completion - Microsoft Certified SC900: Security, Compliance and Identity Fundamentals., March 1, 2025

Dean's List Awardee
- 2nd Term SY 2022-2023
- 2nd Term SY 2023-2024