

MELODY NIEN-CHI YU

SOFTWARE DEVELOPER | MOBILE
DEVELOPER | JAVA DEVELOPER

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SUMMARY

Highly skilled and detail-oriented Java developer with 2+ years of experience designing, developing, and deploying applications. Experience in multiple programming languages, software development methodologies, and database management systems. Highly skilled at the latest Java SE, Spring Boot versions, and creating RESTful APIs and microservices in a Cloud. Strong problem-solving skills and ability to work effectively in a team-based environment. One of my greatest achievements so far includes developing a Java software, which improved system efficiency by 50%.

SKILLS

- Proficient in Java, Kotlin, Python, and JavaScript, with experience in developing web applications using Spring boot framework.
- Collaborated with cross-functional teams to design, develop mobile application for Android in Java and Kotlin.
- Strong understanding of object-oriented programming principles and experience with version control using Git.
- Technical skills: Java, Kotlin, Spring Boot, Hibernate, JDBC, JUnit, HTML5, CSS3, SCSS, SASS, Material-UI, Bootstrap, JavaScript, TypeScript, React, Next.js, Microsoft SQL Server, MySQL, MongoDB, Firebase, GCP, AWS

PROJECTS

Image Converter

Java Application • 2024

Image Converter is an app assists clinics in digitalizing their paper invoices to formatted text files, aiding them in managing their invoices more efficiently and effectively. This app also helps clinics schedule appointments by analyzing the text from invoices and arranging appointments accordingly.

- Integrated the Azure Text Analytics API to extract text from images with superior accuracy in recognizing text, which not only improved efficiency but also minimized human errors.
- Conducted File I/O to read images and write the extracted text to a CSV file.
- Created a simple user interface for selecting input/output folders and files, and triggering actions.
- Improved client's system efficiency by 50%.

WeBuy

Android Mobile Application • 2023

WeBuy is a specialized group-buying platform designed to help local businesses and neighbourhood tackle rising living costs through collective purchasing. By simplifying the process of ordering and managing stock, the app allows customers to purchase in-stock items or participate in group orders, streamlining supply management and fostering economic efficiency.

- Developed a dual-end platform providing a user-friendly experience for both buyers and sellers.
- Allowed multiple login options including email and Facebook for easy account creation using Firebase Authentication.
- Utilized Firebase Realtime Database as its backend for managing real-time data, including shopping cart management and product data.

How's My Stylist

Android Mobile Application • 2022

HMS is an Android application designed to empower users by providing a dedicated platform for hairstylist reviews and pricing information.

- Designed a user-friendly interface in XML files using Material Design components.
- Utilized Firebase as its backend for managing real-time data and account authentication.

PlatStyle <https://platstyle.melodieeee.com>

Java Spring Boot Website • 2022

PlatStyle is a website that provides a platform for hair stylists to showcase their work and for users to book appointments.

- Leveraged Spring Boot MVC framework for efficient backend development.
- Deployed the application on GCP employing Google Cloud's App Engine for reliable and scalable hosting.

EDUCATION

Post-Baccalaureate Diploma, Computer Studies & Information Systems

Douglas College • BC Canada • 2021–2024

Bachelor of Science, Biotechnology and Laboratory Science in Medicine

National Yang Ming University • Taipei Taiwan • 2014–2018

CERTIFICATIONS

Android Studio Essential Training

LinkedIn • 2022

Kotlin Essential Training

LinkedIn • 2022