

Yoon Man Hou

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ABOUT ME

I'm a junior software engineer with experience across full-stack web development, WordPress and PHP systems, and mobile app development. For my final year project, I built a geofencing based service matching mobile app using Flutter, Firebase, Stripe, and real time messaging. At my current job I build and maintain client facing WordPress systems in production, including custom PHP integrations with CRM tools, secure payment flows, and internal automation tools. I like owning a feature from start to finish, talking to clients about what they actually need, building it, and sticking around to support it afterward. I pick up new tools fast when the problem calls for it.

WORK EXPERIENCE

Junior Web Developer — Tech Strongbox

Nov 2025 – Present

- Maintain and develop client WordPress websites, ranging from single-page updates to full site builds, using Elementor and custom CSS/JS for layouts beyond standard drag-and-drop capabilities
- Liaise directly with clients to clarify requirements, provide progress updates, and guide them through system usage post-delivery
- Integrated client websites with external CRM systems via custom PHP, and implemented UI flows directing users to third-party payment pages to complete transactions, securing API credentials to prevent public exposure
- Implement WordPress nonce validation to block unauthorized and bot requests on public-facing endpoints
- Developed a WooCommerce voucher system for a time-limited promotional campaign, including usage caps and minimum purchase conditions
- Contribute to the company's internal property management and listing platforms, improving UI/UX based on real usage patterns of non-technical users
- Built a web scraping tool to aggregate property development data for automated blog content, supporting SEO and marketing efforts
- Designed an automated email flow to detect user inactivity and re-engage or capture drop-off reasons

Intern — UG Global Resources Sdn Bhd

Oct 2024 – Jan 2025

- Built an automated backup system for critical company data to SharePoint using Python, Windows Task Scheduler, and Power Automate
- Resolved hardware and network issues
- Performed data corrections in the company's CRM system to maintain accurate sales records
- Developed an Excel-based invoice generator for the Shipping team
- Created a one-click "Save to SharePoint" Excel macro (VBA) to automate file naming, versioning, and upload

EDUCATION

Bachelor of Software Engineering (Honours) 2022 - 2025

Universiti Tunku Abdul Rahman (UTAR)

PROJECT

Geofencing-Based Mobile Application for House Cleaning Service (Final Year Project)

- **Geofencing & density detection:** configurable zones (~3 km radius), tracked active cleaners/customers, and issued crowding alerts.
- **Proximity matching:** implemented Haversine distance for nearest-cleaner recommendations, supporting auto-assign or manual selection.
- **Admin dashboard:** live map with markers/heat cues for supply-demand monitoring, announcements, and misuse blocking via role-based controls.
- **Secure authentication:** integrated Firebase for email OTP and JWT for session management with role-based authorization (admin/cleaner/customer).
- **Real-time communication:** used Pusher API for live chat, location updates, and booking notifications, combined with Firebase Cloud Messaging (FCM) for push alerts.
- **Payments:** integrated Stripe for payments, earnings reconciliation, and cleaner income tracking.

SKILLS

Programming Languages: C++, Java, JavaScript, Dart, PHP, SQL, Python

Web Technologies: HTML, CSS, Laravel

Mobile Development: Flutter, React-native

Database: MySQL

Tools: Git, Power Automate, VBA, Task Scheduler, AI Assistance (Claude code)

LANGUAGES

English (Proficient)

Bahasa Malaysia (Proficient)

Mandarin (Fluent)

Cantonese (Proficient)

REFERENCES

Dr. Lee Ming Jie

Deputy Head of AI Research, Berjaya Corporation Berhad

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