

CHAN XIAO JING

+6016-7851855 | xiaojingexol99@gmail.com | [linkedin.com/in/xiaojing801](https://www.linkedin.com/in/xiaojing801) | itsxiaojing.com

WORKING EXPERIENCE

Frontend Engineer, Payments Network Malaysia (PayNet)

Feb 2024 - Present

- Led CMS discovery and migration for **PayNet Docs**, the public documentation platform for Malaysia's national payments infrastructure, built the Strapi MVP against product requirements and served as main PIC through launch
 - Built audit logging and role-based access control, and integrated PayNet SSO in-house rather than upgrading to Strapi's enterprise plan, avoiding recurring licensing costs; trained the product team and wrote the guides that let them manage content without engineering involvement
 - Automated the legacy content migration, cutting a projected three-week manual effort to minutes, and added response server-memory caching, Algolia search, sitemap generation and Sentry monitoring
- PIC for **Certificate Management** self-service module in **One Stop Portal**, streamlining certificate renewal process for participants, reducing administrative overhead and removing recurring developer data-patching from the renewal cycle
- Built **Centralized Configuration**, a growing microfrontend platform replacing fragmented per-project setup with centralized management of certificates, API credentials and merchant/product IDs across DuitNow v3, MyDebit and the SAN migration
- Rebuilt **Base24Watcher** transaction log retrieval, optimizing transaction log query time from 15-20 minutes to 1 minute through AWS cloud-based implementation
- Directed **web performance optimization** efforts using Google Lighthouse, boosting load times and user experience scores by 20%; authored comprehensive documentation of metrics analysis and industry best practices
- Implemented **UI automation** testing framework using Playwright to improve code quality and reduce technical debt

Full Stack Web Developer, Fusionex International Plc.

Aug 2022 - Feb 2024

- Key contributor to hospital and clinic management systems built from scratch using Vue.js, CSS, Node.js, and MongoDB
- Collaborated with cross-functional teams on UI/UX design and process flows to achieve sprint goals
- Developed responsive frontend modules and optimized backend microservice logic for seamless integration
- Created dynamic report templates with Jasper Reports, and integrated real-time operational dashboards and alert notification inbox feature for healthcare professionals

Web Developer Intern, Fusionex International Plc.

Oct 2021 - Jan 2022

- Contributed to the prototype design and frontend development of a hospital information system from scratch
- Developed interactive user interfaces based on provided design guidelines and wireframes
- Engaged in agile ceremonies and collaborative brainstorming to align with project goals and ensure timely delivery
- Gained proficiency in turning design concepts into functional prototypes for user testing and validation

HIGHLIGHTED PROJECTS

Silent Mentor Program Website Redesign

May 2025

Freelance — Design + Development — Figma · WordPress · cPanel

- Redesigned and rebuilt University Malaya's **Silent Mentor Program website**, replacing an outdated, poorly organized site with a modern, intuitive UI/UX and clearer content structure and navigation
- Owned the end-to-end process (Figma design, WordPress development, deployment, and post-launch client training), delivering a platform the client could manage independently
- Managed full hosting setup and configuration, including SSL certificates, domain, automated backups, and plugin configuration

Insect Digitization – Specimen Management System

June - September 2025

Freelance — Frontend + UAT Testing — Next.js · Tailwind · Supabase

- Built the frontend for an **ML-powered** specimen management system for Akademi Sains Malaysia (ASM), enabling researchers to digitize insect specimens via **OCR label scanning** or **AI-driven species/genus detection** with confidence-ranked results
- Developed a **maker-checker approval workflow** (draft, submit, admin review, organization-wide publish) and an **interactive analytics dashboard** visualizing specimens by order, state, status, and collection trends
- Implemented authentication, role-based user management, activity logging, and a support-ticketing system

SKILLS

- **Frontend:** Vue.js, Vite, Next.js, React, CSS, Tailwind CSS, TypeScript, JavaScript, Bootstrap 5, HTML5
- **Backend:** Node.js, MongoDB, Jasper Report
- **Deep Learning:** Python (Keras, Tensorflow, PyTorch), Transfer Learning, image segmentation
- **Certification:** AWS Certified Cloud Practitioner

EDUCATION

Bachelor of Computer Science (Honours)	CGPA: 3.7813	2019 - 2022
---	---------------------	--------------------

Universiti Tunku Abdul Rahman (UTAR)

- Major in AI deep learning
- Thesis on “An Automatic Vein Detection System Using Deep Learning for Intravenous (IV) Access Procedure”, presented at the IEEE National Biomedical Engineering Conference (NBEC), 2021

Foundation in Science	CGPA: 3.9336	2018 - 2019
------------------------------	---------------------	--------------------

Universiti Tunku Abdul Rahman (UTAR)