



LEE WENG HONG

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EDUCATION

Bachelor of Computer Science (Software Engineering) University Malaya CGPA 3.91/4.00	Oct 2022 - Present
Penang Matriculation College - CGPA 4.00/4.00 - MUET Band 4.5	Jul 2021 - May 2022
Chung Ling High School SPM 11A	Jan 2016 - Dec 2020

WORK EXPERIENCE

Fullstack Developer (Backend), Unifej - Established and managed MongoDB database and NestJS backend framework for application infrastructure. - Produce and amend all application's API endpoints. - Implemented backend framework utilizing MVC Controller and RESTful architecture for efficient data flow and scalability. - Doing migration of application from .js to .tsx, ensuring smooth transition and compatibility.	August 2023 - Present
Freelance Fullstack Developer - Customized CMS for tuition centre operations, including student registration, payment processing, and content management using WordPress, then transition app to ReactJS. - Implemented secure online payment gateway for tuition fee transactions using Strapi. - Developed teacher dashboard for easy monitoring of student payments, registrations, and course materials, optimizing administrative efficiency.	August 2022 - Jan 2023
Student Intern, Exabytes Digital - Worked at Digital Marketing and E-Commerce department - Synchronize Inventory Management across multiple e-commerce platforms such as EasyStore, Lazada, and Shopee - Utilizing Search Engine Optimization (SEO) tools such as Google Ads to maximize client's business revenue.	Mar 2021 - August 2021

SKILLS

Programming Languages: Javascript, HTML, CSS, Java, Python Frontend Frameworks: React, ReactNative, Next.js, Android Studio, WordPress Backend Frameworks: Express, NestJS, Springboot, Django Database: MongoDB, PostgreSQL, Supabase, Pinecone, Firebase Integrations: PaLM API, Gemini, OpenAI, Google Cloud services, AppScript for Google Sheets Others: Prisma, Mongoose, Postman, Socket.io, TailwindCSS, ChakraUI, Git
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PROJECTS

MyCFO, Personal Finance Database Chatbot - An LLM-powered chatbot application for simplified financial management, featuring personalized advice, expense tracking, Retrieval Augmented Generation (RAG) with visualizations, and tax guidance. - Technologies used: React Native, NestJS with Prisma ORM, Django, OpenAI Assistant API, PostgreSQL on Supabase.
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PROJECTS

OpenSauce, Database Chatbot for Inventory Tracking

- Utilized LLM (Large Language Model) integration with a vector database for conducting similarity searches, enabling real-time tracking of inventory stocks with features for adding and updating basic stock information, and facilitating inventory inquiries through chatbot interaction.
- Technologies Used: **React, Firestore, Django, Pinecone, Gemini, PaLM**

CarbonX, Carbon Footprint Tracker App

- Full-stack mobile application that introduces features such as setting carbon goals, recording carbon footprints, access to nearby carbon friendly centres which are aligned with United Nation's SDG 13.
- Technologies used: **Android Studio, Firebase (Realtime Database)**

Unifej, Campus E-hailing App

- Full-stack mobile application facilitating e-hailing rides within campus areas, enabling passengers to book and track ongoing ride requests and access past ride history, with corresponding functionalities available for drivers.
- Technologies used: **React Native, NestJS, Typescript, MongoDB**

KH, Student Portal for Tuition Centre

- Full-stack Content Management System web application enabling students to make tuition fee payments, and allowing teachers to upload course materials while monitoring student registration, attendance, and payment status.
- Technologies used: **WordPress, React, ChakraUI, Express, MariaDB, Strapi**

Attendee Tracker: Streamlined Data Recording with Google Sheets Integration

- A frontend web application integrated with Google Apps Script, enabling the recording of attendee information in Google Sheets through form submissions on the frontend.
- Technologies used: **React, Google Apps Script, Google Sheets**

Data Structure Capstone Project: Gamification With Spring Boot and React

- A full stack web gamification based application for my data structure course. Includes game features such as traverse the map, conquer checkpoints, different variations of tic-tac-toe, PvP and PvE game modes, and able to save game progress.
- Technologies used: **React, TailwindCSS, Spring Boot, MongoDB**

ACHIEVEMENTS

- 1st Runner-Up, UM Hackathon 2024 (FinTech domain)
- 2nd Runner-Up, National Innovative Hackathon 2023
- 4th Place, Varsity Hackathon 2024
- Top 10 Finalist, Kitahack 2024 (National Hackathon by GDSC Malaysia)
- Top 10 Finalist, MMU Codenection 2023
- Gold Award, Malaysia Computing Challenge 2019
- Gold Award, Malaysia Computing Challenge 2018

LEADERSHIP EXPERIENCE

- Secretary of Google Developer Student Club Universiti Malaya 2023 - Present
- Director of Customer Experience, Incoming Global Talent, AIESEC in Universiti Malaya March 2023 - October 2023