

Thian Lian Ben

Developer

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Education Background

- **Master of Technology in Computer Engineering, Marwadi University, India**
Successfully completed a two-year program in Computer Science, including courses in artificial intelligence, database management, and software engineering. Expected to receive certificate in Dec 2023.
- **Bachelor of Computer Science, Kalay Computer University, Myanmar**
Graduated with a degree in Computer Science, with a focus on software development, database management.

Work Experience

Full stack developer	May 2024 - Present
Antares Byte Company - working remotely in Bangkok	
<ul style="list-style-type: none">Developed robust back-end services and APIs using Node.js, TypeScript, and Prisma with MySQL, ensuring efficient and scalable database operations.Built secure and reliable back-end solutions using Node.js, TypeScript, and Supabase, incorporating real-time database functionalities and user authentication systems.Designed and implemented responsive web applications using NextJS and React, focusing on performance optimization and a seamless user experience.Integrated APIs and third-party services to deliver dynamic and interactive web interfaces.Implemented CI/CD pipelines with GitHub Actions for automated testing, deployment, and integration of back-end and front-end projects.Deployed and hosted web applications using Firebase Hosting and AWS Amplify, ensuring high availability and scalability.Configured and managed AWS Cognito for secure user authentication and authorization services.Collaborated with cross-functional teams, including front-end developers, designers, and QA engineers, to deliver seamless product features.Mentored junior developers, guiding them in implementing best practices for TypeScript, Node.js, and Prisma.	

Front-end developer (Contractor) Based on the project	Two months
Otterdev	

- Developed a web application based on designs provided by the UI/UX team, using Svelte 5, React, Redux.
- Collaborated with back-end developers to integrate APIs seamlessly.
- Engaged with clients to communicate effectively and work collaboratively.
- Technology Used - Svelte 5, Tailwind CSS, NextJS

Full stack developer / AI developer	Jan, 2024 - Sept, 2024
HypeCycle (UK based) Company - working remotely in Bangkok	

- Developed and optimized a high-conversion landing page for the product, driving user engagement and acquisition.
- Integrated Large Language Models (LLMs) using APIs such as OpenAI, Hugging Face, and Claude to build conversational interfaces that significantly improved user interactions.
- Implemented Chatbot agent system using LLM models (Claude, OpenAI).
- Integrated Amazon Cognito for secure user authentication, including sign-up, sign-in, and multi-factor authentication, enhancing security and user access management.

- Developed a web application using React.js, TypeScript, React-Query, Redux, and React Hooks, ensuring efficient state management and optimized data fetching.
- Implemented CI/CD pipelines for frontend projects using AWS Amplify, GitHub Actions, and Docker, ensuring automated deployment and testing workflows.
- Deployed and maintained cloud-based solutions on AWS services like Amplify, Lambda, and S3, optimizing performance and ensuring scalability.
- Utilized Terraform and Docker for infrastructure automation and containerization, improving deployment efficiency.
- Technologies Used:
 - LLMs & AI Integration: OpenAI, Claude, Hugging Face, LlamaIndex
 - Frontend: React.js, TypeScript, Tailwind, Radix UI, Shadcn, React-Query, Redux
 - Backend & APIs: Python, RESTful APIs, AWS Lambda, Supabase, Firebase
 - Databases: MySQL, PostgreSQL, DynamoDB, Firebase, Supabase
 - CI/CD & Infrastructure: AWS Amplify, GitHub Actions, Docker, Terraform
 - Cloud Services: AWS (Cognito, Lambda, S3, Amplify, ECS, SES), Terraform,

AI Engineer

July, 2023 - Feb, 2024

Global Walker Myanmar (Japan-based)

- Developed the system for detection person from capturing camera (YOLOX pre-trained models)
- Implemented the person detection system for Japanese restaurant, which is used for analytics for staff movement using YOLOX pre-trained models.
- Implemented the application for detection and segmentation using MMDetection models and applied it on **Jetson Nano C100 , Raspberry Pi 5 (8GB) Ori Kit.**
- Implemented the small project to detect objects from capturing the videos using Flutter.
- Executed the project on Ubuntu device and communicate the front-end Flutter via IP address.
- Implemented OCR (Optical Character Recognition) application using C#.
- Developed the window desktop application which is used for Recognizing text from Images and helped to Human Error Checking.
- Implemented drawable rectangle over the image with mouse dragging and handle with Zoom and Panning level of the image
- Developed editable excel cell data from the application
- Technologies used - C sharp (C#), Machine Learning models and Computer Vision.

React-Native developer / Outsystem developer

Dec, 2019 - Oct, 2021

Weeswares Company (SG-based) I Myanmar

- Developed and maintained cross-platform mobile applications using React Native.
- Worked with Redux for state management and RESTful APIs for data integration.
- Designed and implemented app features such as user authentication, push notifications, and real-time chat using Firebase Cloud Messaging and Cloud Firestore.
- We could deliver this project to customers. ([Morning Star – Apps on Google Play](#)).
- Developed and maintained websites using [Out-system](#) (Low-code development)

Research Experience

NLP Research Project: Sentiment Analysis for product reviews

Duration: October 2022 - August 2023

- Published a research paper titled "[Detecting Sentiment Polarities with Comparative Analysis of Machine Learning and Deep Learning Algorithms](#)" in an **international conference** proceedings in IEEE, contributing to the field of sentiment analysis and natural language processing.
- "*An empirical study of feature representations on product reviews for sentiment analysis*" **journal** paper is submitted to IEEE (Already approved)

Volunteer Experience

Church Event Streaming Volunteer in Every Sunday

Ongoing

Location: **HWC Bangkok Church**

- Streamed live church services through Facebook, Youtube using OBS Studio, Feelworld L4 video switcher and other streaming devices.
- Managed setup, configuration, and troubleshooting of streaming software and hardware to ensure smooth broadcasts.
- Coordinated with church staff to provide high-quality, seamless streaming for remote attendees.