Kai Yong Lai (Vandyck)
Full Stack Software Engineer

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About Me

A full stack software developer with expertise in Web3, Web, Mobile & Data Science Development. Built multiple award-winning applications both career and hackathons. Demonstrated leadership through community initiatives reaching thousands developers globally.

Experience

AI Agent Engineer @ *Exponent AI*
Feb 2025 — Current   Remote | Thailand

- Architected and led development of Exponent Analyst's multi-platform chatbots (Telegram & Discord)
- Orchestrated seamless integration of LLM services, APIs, and client-facing interfaces
- Work alongside containerized architecture in team of 4 using Docker

Full Stack Software Developer @ *Farmz Asia*
Aug 2023 — Feb 2025   Remote | Singapore

- Led development of beauty challenge module on mobile app reaching 2000+ active users
- Contribute to sleep ring module on mobile app and Farmz admin portal
- Led development on DML membership subscription portal

Software Developer | Data Practitionist @ *Infront Consulting*
May 2022 — Dec 2023   Remote | Malaysia

- Led development across 4 projects spanning mobile, web, and data solutions
- Increased client satisfaction through agile delivery
- Involved in Logictics, HealthCare, Agriculture & Consulting

Education

Bachelor of Science in Software Engineering
Asia Pacific University | De Montfort University
Nov 2022 — Nov 2024   Kuala Lumpur, MY CGPA: 3.74/4.00

Ambassadorship

- Google Developer Group Cloud KL Lead: Organized workshops, conferences, meetups (10000+ participants)
- MongoDB UG KL Lead | Community Creator: Organized Bi-Monthly Meetups (average 40+ participants)
- Tableau UG KL Lead: Organized Monthly Meetups & Viz Challenge (Gather professionals from dif fields)
- Notion Campus Leader: Organized 50+ Events including non-tech and tech around Notion in 1 year time

Public Speaking

AWS Cloud Day Malaysia 2024
Spoke about Building RAG with MongoDB & Amazon Titan for AWS

AWS Community Day Malaysia 2024
Spoke about Create Live Streaming Platform like Twitch

Google Developer Group Cloud KL DevFest 2024
Led workshop on Building RAG with MongoDB & Gemini for Flutter

Technical Skills

Language	Python · TypeScript · JavaScript · Golang · Dart
Frontend	React · Angular · Vue · Next · Flutter · React Native
Backend	Django · Node · FastAPI · Gin · Laravel · Express
Cloud	AWS · Azure · Firebase · Supabase · Stripe
Data	MongoDB · MySQL · PostgreSQL · S3 · RDS
Web3	Solidity · web3 · ethers · Move · Rust · Metamask

Projects

Hireti - AI Powered Talent Acquisition System
- Developed AI-driven talent acquisition platform with automated resume parsing
- Streamline resume OCR to screening to matching system
- Tech: Next, M365 API, Amazon Textract, Sagemaker, Bedrock

Mr Beans - AI Coffee Supplier Analysis
- Developed ML models & AI Agent for coffee bean delivery related workflow
- 95% accuracy in bean type computer vision detection
- Tech: PyTorch, HuggingFace, OpenCV, MongoDB, Fireworks AI

Cof'e - AI Covid Risk Detection through CoughSound
- Managed the UI Flow Procedure in ensuring product experience
- Deployed scalable web platform for real-time cough analysis
- Tech: Django, Jinja2, AWS, Celery

CoinMaster - AI Crypto Trading Telegram Bot
- Developed AI trading bot for automated crypto trading on BNB
- Implemented price prediction, sentiment analysis and AI reasoning for trading signals
- Tech: Node, CoinGecko API, Dodoex, BNB Chain, Groq, Llama

Certifications

- AWS Solution Architect Associate
- Microsoft Certified: DevOps Engineer Expert
- MongoDB Certified Associate Data Modeler
- Notion Advanced

Award

- MongoDB William Zola Award for Community Excellence 2024 Runner Up

Wins

- BNB Hack Q4 Top 10 (200+ teams)
- ETH KL 2024 Main Track Winner (1st/60+ teams)
- Hilti ITC 2024 Champion (Trip to Switzerland)
- Solana BuildStation Champion (200+ participants)
- Google Workspace Hackathon Main Track Champion (1200 participants)

Languages

- Professional: English, Mandarin, Malay
- Conversational: Cantonese
- Basic: Japanese

Referee

Harshit Mehta, Senior Devrel Manager @ MongoDB
harshit.mehta@mongodb.com