

# WONG KAI SHEN

(Micheal) · Co-Founder & Lead AI Engineer · Agentic Systems Builder

Kuala Lumpur, Malaysia · [wongks2003@gmail.com](mailto:wongks2003@gmail.com) · [github.com/wongkaishen](https://github.com/wongkaishen) · [@Micheal\\_wong](https://linkedin.com/in/wong-kai-shen)

---

## SUMMARY

---

Co-founder and lead engineer of **AIBC**, building autonomous agentic AI systems that complete real tasks end-to-end. Specialized in multi-agent orchestration, retrieval-augmented generation, and the Model Context Protocol (MCP). Full-stack delivery from agent runtime to cloud-native deployment on AWS. Currently in Year 2 of B.Sc. Computer Science (Hons) at Multimedia University, with parallel experience leading 250-attendee tech events and shipping production AI products for paying clients.

## EXPERIENCE

---

**Co-Founder & Lead AI Engineer** · AIBC (AI Blockchain) Nov 2025 – Present

*Old Klang Road, Kuala Lumpur · Hybrid*

- Co-founded AIBC and lead the engineering of an evolving agentic AI platform: **DCS** (smart RAG) → **DAC** (advanced agentic RAG) → **DACv2** (fully autonomous multi-agent system integrated with the Medusa engine).
- Designed and built **Medusa**, a reusable AI agent engine that powers any agent architecture — featuring an MCP gateway, skills gateway, multi-provider LLM adapters (Anthropic, OpenAI, Google, Ollama), and an agent-to-agent (A2A) transport layer.
- Architected the platform around governance-first principles: human-in-the-loop approval gates, planner/orchestrator/sub-agent separation, and a multi-tenant API gateway distinct from task-level governance.
- Lead technical roadmap, architecture decisions, and the open-core go-to-market strategy positioning DAC against incumbents like Glean.

**Freelance Agent Developer** · Self-Employed Mar 2026 – Present

*Remote · Real Estate sector*

- Designing and shipping an autonomous AI sales agent for a real-estate client, derived from my generalizable conversational agent framework ([github.com/wongkaishen/chatassistant](https://github.com/wongkaishen/chatassistant)).
- Channel-agnostic architecture (WhatsApp, web, etc.) with conversation memory, lead qualification flows, and tool-use over the MCP protocol.

**GitHub Campus Expert** · GitHub Oct 2025 – Present

*Multimedia University · Remote*

- Selected for GitHub's competitive Campus Experts program — student technologist leadership and developer community building at MMU.

**Director of BarCamp Cyberjaya 2025** · IT Society Cyberjaya Mar 2025 – Nov 2025

*MMU Cyberjaya · On-site*

- Led end-to-end planning and execution of MMU's flagship technology unconference, managing budget, timelines, vendor logistics, and stakeholder relations.
- Supervised a 40-person committee and successfully delivered the event with **250 registered participants** and high engagement throughout.
- Secured strategic participation from **MDEC (Malaysia Digital Economy Corporation)**, along with industry partners and external speakers.

## Head of Marketing · IT Society Cyberjaya

Jan 2025 – Dec 2025

MMU Cyberjaya · On-site

- Directed marketing for MMU's largest student-led IT community across 6 major events: BarCamp Cyberjaya 2025, CodeNecton 2025, Tech Career Day 2025, Solidity Smart Contract Workshop, Sherpasec Cybersecurity Meetup, and Redsquare Tech Talk.
- Grew Instagram following by **69% (1.3k → 2.2k, +900 active members)** in a single term through data-driven content strategy and interactive formats (Reels, polls, giveaways).
- Negotiated cross-marketing partnerships with external clubs and university departments to break faculty silos and expand event reach.

## Tech Committee — BarCamp 2024 · IT Society Cyberjaya

May 2024 – Oct 2024

MMU Cyberjaya · On-site

- Migrated the BarCamp website from a standalone WordPress site into the IT Society's main web platform.
- Maintained event website uptime and configured PA/AV systems on event day.

## IT Technician · Action PC House Sdn Bhd

Mar 2022 – Sep 2023

Puchong, Selangor · On-site · Part-time

- Diagnosed and repaired laptop, desktop, and component-level hardware issues; performed Windows OS recovery and corruption fixes.
- Sales and technical consulting for retail customers on PC components and pre-built systems.

## FEATURED PROJECTS

---

### DAC Platform & Medusa Engine — AIBC (Stealth)

- Four-layer agentic knowledge-graph RAG combining KG traversal with vector similarity. Multi-agent system: Orchestrator, Planner, Governance Engine, A2A Transport, Event Bus, Agent Registry, Task Manager. Stack: Node.js, TypeScript, Express, SSE streaming, MCP, multi-LLM adapters.

### DCS — Data Collection & Storage — [Live Demo](#) · [GitHub](#)

- First milestone of the DAC platform line: a smart RAG system for ingesting, normalizing, and querying unstructured documents. Foundation for the autonomous DACv2.

### Medusa — [GitHub](#)

- Reusable AI agent engine with MCP gateway and skills gateway. Designed as a drop-in runtime for any agent architecture; first prototype tested via the Unsubscribing Agent task.

### ChatAssistant — Generalizable Conversational Agent — [GitHub](#)

- Channel-agnostic conversational agent framework. Same codebase powers a WhatsApp assistant and the production real-estate sales agent for my freelance client.

### SmartEAS — AI-Driven Emergency Alert System — [GitHub](#)

- Real-time disaster alert platform. Monitors social media + NOAA/USGS, validates events with Amazon Bedrock Nova Pro, and serves heatmaps and evacuation routes via MCP-Google Maps integration. Stack: 9 AWS Lambda functions, DynamoDB, API Gateway, Next.js 15 + Material-UI, AWS Amplify.

### AI Smart Keyboard Assistant — [GitHub](#)

- Custom Flutter keyboard with conversation memory; uses Google Gemini to suggest context-aware replies in real time.

### FoodPicker — [GitHub](#)

- Cross-platform meal-recommendation app using location data and user preferences. Stack: Django, PostgreSQL, Supabase, Google Maps, OpenStreetMap, Nominatim.

## EDUCATION

---

**B.Sc. Computer Science (Hons), Software Engineering** · Multimedia University (MMU) Nov 2024 – Nov 2027  
Cyberjaya, Selangor, Malaysia · *Expected*

- Specialization: Software Engineering. Active in Hackerspace MMU and IT Society Cyberjaya leadership.

**Foundation in Information Technology** · Multimedia University

## TECHNICAL SKILLS

---

**AI / Agentic Systems** LangChain, Model Context Protocol (MCP), Retrieval-Augmented Generation (RAG), Knowledge Graph RAG, multi-agent orchestration (Orchestrator/Planner/Governance), A2A transport, Hugging Face, PyTorch, Amazon Bedrock (Nova Pro), Google Gemini, OpenAI, Anthropic, Ollama, Jina AI

**Languages** TypeScript, JavaScript, Python, Dart

**Frontend & Mobile** Next.js 15, React, Three.js, Tailwind CSS, Material-UI, Framer Motion, Flutter, Android Studio

**Backend** Node.js, Express, FastAPI, Django, REST, Server-Sent Events (SSE), WebSockets

**Cloud & DevOps** AWS (Lambda, Bedrock, DynamoDB, API Gateway, Amplify, SageMaker, S3, CloudWatch), Google Cloud, Vercel, Render, Heroku, Docker, Serverless Framework, GitHub Actions

**Databases** PostgreSQL (with vector extensions), Supabase, MongoDB, DynamoDB

**Tools** Git, GitHub, WordPress, Figma

## HONORS & ACTIVITIES

---

- **GitHub Campus Expert** — selected to GitHub's competitive student technologist leadership program (Oct 2025).
- **Director, BarCamp Cyberjaya 2025** — led delivery of MMU's flagship technology event (250 attendees, MDEC partnership).
- **GitHub Achievements** — Pull Shark ×2, Pair Extraordinaire, YOLO.
- Hackerspace MMU member since May 2023.

## LANGUAGES

---

**Mandarin Chinese** (Native) · **English** (Fluent) · **Bahasa Malaysia** (Conversational) · **Japanese** (Conversational)