

HO JOE EE

AI PROGRAM LEAD • AI SOLUTIONS ARCHITECT • ENTERPRISE GEN AI SYSTEMS

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SCAN → JOEEE.DEV

// PROFILE

AI Program Lead and hands-on builder who designs, ships and scales enterprise generative-AI systems end to end — architecture, LLM integration, deployment, evaluation and governance. Owns company-wide AI adoption at GDEX Berhad (Bursa: 0078) from the CEO Office, running a live portfolio of 27 AI initiatives across five pillars and turning operational pain points into production systems with measurable efficiency gains. Top-ranked Computer Science Best Graduate (1st of 1,637) and UTAR Final Year Project champion.

// EXPERIENCE

AI Program Lead — CEO Office

Feb 2025 – Present

GDEX Berhad (Bursa: 0078) • Express delivery & logistics, Malaysia

Full-time from Apr 2026

- Own GDEX's enterprise AI roadmap and a live portfolio of **27 initiatives across five pillars** — efficiency, cost reduction, compliance & risk, capability and commercial — reporting delivery directly to the Group CEO and AI Steering Committee.
- Defined the reference AI stack now used company-wide: LLMs as the reasoning layer on **AWS Bedrock/Lambda**, Dockerised microservices, PostgreSQL job-queue workers and workflow automation for orchestration.
- Designed and shipped **GDOCR**, a production LLM-based OCR service processing **600,000+ logistics documents/month** and cutting manual document handling by **90%+**; led model fine-tuning for extraction accuracy and the migration to AWS ap-southeast-5.
- Built end-to-end automation across HR, reporting and operations — Lark/Feishu agent bridges, AWS Lambda/Bedrock and LLM-based screening — removing manual effort from multi-department workflows.
- Ran vendor POCs and architecture-fit assessments across customer engagement, security, recruitment and agent platforms; authored GDEX's **AI Usage Policy and governance framework** for safe, PDPA-compliant rollout.

Research Assistant Universiti Tunku Abdul Rahman • Malaysia

Sep 2024 – Nov 2024

- Improved structured data extraction accuracy by **38%** by designing an LLM integration framework with prompt optimisation, output validation and confidence scoring.
- Co-authored a peer-reviewed IEEE AiDAS 2024 publication, formalising the framework methodology and experimental evaluation pipeline.

// AWARD-WINNING AI PROJECT

LLM Application Integration for Extracting Unstructured Data

May 2024 – Jun 2025

- Built a novel framework embedding LLMs into data-processing pipelines to extract structured information from unstructured documents (Python, PyQt, LLM APIs).
- Delivered **96.93% extraction accuracy**, **89.46% faster processing** and **38.43% lower operating cost** on logistics document workloads.
- Champion**, UTAR Final Year Project Competition 2025 — 1st of ~200 projects across all IT faculties.

// EDUCATION

BSc (Hons) Computer Science Universiti Tunku Abdul Rahman, Kampar • Malaysia

Jun 2022 – Jun 2025

- CGPA 3.9813 / 4.00 — ranked 1st of 1,637** | 11x President's List (all semesters) | Full-tuition UTAR Top Achiever Scholarship
- 4x Best Graduate Award** — JobStreet • UTAR Little Rain Trust • MDT • Kelvin Pah

// SKILLS

AI & LLM | Generative AI app development (Claude, Gemini, Codex, Qwen) • LLM integration & tuning • prompt engineering • AI agents (design, deploy, evaluate) • RAG & knowledge bases • MCP integration

Cloud & Architecture | AWS (Bedrock, Lambda, QuickSight, Quick, Kiro) • Vertex AI (Gemini) • system & microservice design • Docker / Linux • scalable job-queue & worker pipelines (PostgreSQL)

Automation & Integration | REST APIs & webhooks • n8n workflow automation • Lark/Feishu platform (Base, Docs, CLI) • Vercel CI/CD

Engineering Python • C++ • React • Next.js (App Router) • TypeScript / JavaScript • SQL / PostgreSQL

AI Strategy & Governance | Enterprise AI roadmap • model & vendor evaluation • AI governance & policy (AUP, PDPA) • C-suite stakeholder management

// PUBLICATIONS & CERTIFICATIONS

- AWS Certified Cloud Practitioner (CLF-C02)** • Credential 461ec9796427415e868b2184413c2d0a • Sep 2026
- J. E. Ho, B. Y. Ooi and M. Westner, "Application Integration Framework for Large Language Models," 2024 5th International Conference on Artificial Intelligence and Data Sciences (AiDAS), Bangkok, Thailand, 2024, pp. 1–6, doi: 10.1109/AiDAS63860.2024.10730541.
- Alibaba Cloud Certified Associate** • Credential IACA01240900151798L • Sep 2024 | **AWS Academy Cloud Foundations** • Aug 2024
- AWS Academy Graduate - AWS Academy Cloud Foundations

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