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MOHD HAAZIQ MOHD YUSOF

Senior Prompt Engineer

LLM Workflows · AI Automation · Evaluation & Guardrails · RAG

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🌐 linkedin.com/in/mohdhaaziq

📍 Putrajaya, Malaysia · Remote

15+ yrs

Product, CTO & enterprise IT leadership

40% → 12%

Thumbs-down rate cut on worst query type via evals

24/7

Live government RAG + voice AI platform, built solo

4

Languages for multilingual testing: EN · BM · KO · AR

— PROFILE

Prompt engineer and hands-on **AI workflow builder** with 15+ years across product management, CTO leadership and enterprise IT. Designs, tests and refines prompts for **GPT, Claude, Gemini and open-source models** — and takes them all the way to production. Flagship build **MADA SARIMA** is a live RAG + voice AI platform used 24/7 by a Malaysian government agency, built and run solo. Quick to catch hallucinations and tool-use failures and turn them into **prompt constraints, evals and guardrails**. Automates with **n8n, Zapier and Make**; scripts in Python.

ROLE MATCH

- ✓ 15+ yrs experience
- ✓ Python · JSON · REST APIs
- ✓ GPT · Claude · Gemini · open-source
- ✓ Client demos & stakeholder work
- ✓ Prompt design, testing & output QA
- ✓ n8n · Zapier · Make automation
- ✓ RAG & vector databases
- ✓ Multilingual testing incl. basic Arabic

— FEATURED PROJECT

MADA SARIMA — Agricultural AI Assistant & Analytics LIVE

For Lembaga Kemajuan Pertanian Muda (MADA), a Malaysian government agricultural authority. Built end-to-end via an AI-directed agentic workflow (Claude Code + Codex), no traditional dev team. Runs 24/7 on AlphaEdge (TM Credence).

OpenAI API · Embeddings · RAGFlow · pgvector · Tesseract OCR · Faster Whisper
ElevenLabs · Edge TTS · Mesolitica TTS · Python · React 18 · TypeScript · Node.js 22
PostgreSQL / PostGIS · OIDC SSO · RBAC

- **Prompt & context design** — wrote the system prompts, retrieval prompts and output specs for a Malay-language RAG assistant that answers with source citations.
- **Hallucination fixes** — caught reasoning gaps daily (wrong policy dates, retrieval vocabulary mismatch, schema drift) and turned each into prompt constraints, eval cases and guardrails.
- **Evaluation loops** — scored retrieval recall, citation accuracy and Malay language quality; cut the thumbs-down rate on the worst query category from **40% to 12%**.
- **Voice AI chain** — speech-to-text → LLM → text-to-speech as Python sidecar services with quality-gated fallback between providers.
- **Client-facing iteration** — ran weekly demos with agency leadership and field officers; translated domain feedback into prompt and model improvements.
- **Playbooks** — documented prompt specs, deployment runbooks and UAT criteria so the agency can operate and extend the system.

— PROMPT TOOLKIT

- ◆ **Prompt & Context Engineering**
System prompts · few-shot · chain-of-thought · **structured JSON output** · tool calling · context engineering · prompt specs
- ◆ **LLMs**
OpenAI GPT · Claude · Gemini · open-source LLMs · on-device AI
- ◆ **Evaluation & Safety**
LLM evals · accuracy, relevance & tone QA · hallucination & failure-mode analysis · guardrails · citation checks
- ◆ **Automation & Agents**
n8n · Zapier · Make · Claude Code · Codex · MCP connectors · multi-agent orchestration · webhooks
- ◆ **RAG, NLP & ML**
RAG · RAGFlow · LangChain · pgvector · embeddings · fine-tuning · OCR · voice AI
- ◆ **Code, Data & Cloud**
Python · JSON · REST APIs · TypeScript / Node.js · WebSockets · OAuth / SSO · PostgreSQL · Docker · AWS · Cloudflare · Alibaba Cloud
- ◆ **Product**
Client demos · PRDs · UAT / FAT · Agile / Scrum · stakeholder management

— LANGUAGES

English Professional ●●●●●
Malay Native ●●●●●
Korean Professional ●●●●●
Arabic Basic ●●●●●

CAREER EXPERIENCE

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Aeronerve (Technerve Technology Solutions Sdn. Bhd.)

Product & Project Manager — AI Workflow & Systems Builder

- Run an AI-first delivery model: design, test and iterate agentic workflows with Claude Code, Codex and MCP connectors to ship production systems solo (see MADA SARIMA).
 - Connect LLMs and AI agents to business systems — Gmail, Google Drive, PostgreSQL, cloud APIs — through REST APIs, webhooks, JSON payloads and automation platforms (n8n, Zapier, Make), including authentication and permissions.
 - Review agent outputs for reasoning gaps, tool-use failures and workflow limits; convert findings into structured feedback, revised prompts and better pipeline design.
 - Architecting **TerraAgra** — offline-first PWA for 200K+ Malaysian rice farmers with an on-device AI assistant, IoT sensors (RS485/MQTT) and Bahasa Malaysia voice input.

Dec 2024 — Present
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Independent Product Builds (AI-Assisted)

Solo Builder — Consumer & B2B Products

- Shipped **AI-Mathurat** (iOS + Android, **5K+ downloads, 4.9★ App Store rating**) and **BrushQuote** (iOS, US market) solo — from agentic development to App Store operations and Apple Search Ads.
 - Built **ZiqitPDF**, a single-file HTML PDF editor on Cloudflare Pages — each product follows a repeatable playbook: spec → AI-directed build → evaluation → deployment.

2025 — Present
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Fix & Go IT Specialist / Definite Security Sdn. Bhd.

Chief Executive Officer / Digital Transformation Lead (2021 – 2024) · Chief Technology Officer (2017 – 2021)

- Led digital transformation and process improvement for enterprise and healthcare clients — custom web platforms, IoT monitoring and internal workflow digitisation.
 - Led the IT support ticketing system for Hospital Islam Az-Zahrah — intake workflows, escalation logic, user feedback loops and resolution-speed KPIs.
 - Established a Data Recovery Service Centre recognised by CyberSecurity Malaysia.

May 2017 — Nov 2024
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DesaKreativ

Co-Founder & Application Engineer

- Co-founded a product studio building business systems for merchant operations, financing workflows and CRM — from requirement capture to iterative refinement.

Sep 2013 — Apr 2017
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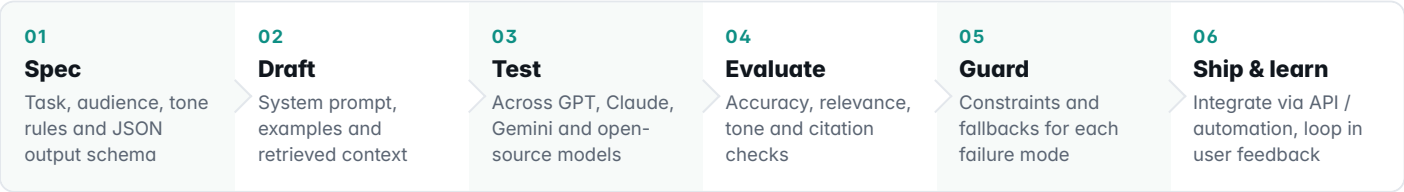
Hewlett Packard Enterprise Services, Malaysia

Technical Solutions Consultant (Korean Market)

- Enterprise application support for Korean-market users (Citrix, BPCS, SAP) — triage, root-cause analysis and escalation, conducted in Korean.

Mar 2010 — Mar 2011

HOW I SHIP PROMPTS



EDUCATION

- Inha University, South Korea**

BEng, Computer & Information Engineering

2008 — 2010
- Dongyang Technical College, Seoul**

Diploma, Software Engineering

2005 — 2008
- Seoul National University**

Korean Language Certificate

2003 — 2005

CERTIFICATIONS

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Professional Technologist (Ts.)

MBOT — Cyber Security Technology
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CISAM

Certified Information Security Awareness Manager
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CCDA

Cisco Certified Design Associate
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BitDefender Certified Technical Specialist