

Lee Teong Hoe (Mr Hoelee)

Senior Full Stack / Product Engineer | PHP CodeIgniter · Java Spring Boot · WordPress · Docker

Kuala Lumpur, Malaysia

Remote (GMT+8) · Open to remote, hybrid, or on-site roles in Malaysia

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PROFESSIONAL SUMMARY

Senior Full Stack / Product Engineer with 10+ years building and operating enterprise web applications, e-commerce platforms, and business systems. Delivered 30+ production websites and business systems for SME, NGO, and e-commerce clients across the full project lifecycle — requirements, architecture, development, deployment, and support. Strongest in PHP CodeIgniter, Java Spring Boot, and WordPress, backed by a three-host self-managed Docker platform of 162 containers running in production on Linux. Comfortable owning both the application layer and the infrastructure it runs on.

CORE SKILLS

Languages: PHP, Java, Python, JavaScript, TypeScript, SQL

Frameworks & Platforms: Spring Boot, CodeIgniter, WordPress, Node.js, REST APIs, Webhooks

Databases: PostgreSQL, MySQL, MariaDB, MySQL Replication, SQLite, Redis, Elasticsearch, NocoDB

DevOps & Infrastructure: Docker, Docker Compose, Linux, Traefik, Nginx, Cloudflare, CI/CD, GitHub Actions, Gitea Actions, Reverse Proxy, SSL/TLS, Let's Encrypt (ACME), DNS, Monitoring (Prometheus, Grafana, cAdvisor), Backup & Recovery, restic, Portainer, Multi-Server Operations, Multi-Provider Hosting, AWS EC2, Vultr, cPanel, CyberPanel

AI & Automation: OpenAI API, LLM Integration, Agentic Workflows, Hermes Agent, MCP (Model Context Protocol), Prompt Engineering, OCR, Speech-to-Text, Text-to-Speech, n8n, LiteLLM, LM Studio, llama.cpp, IBM Watson Assistant

Environments: Synology DSM, Unraid, Windows Server, IIS, OpenLiteSpeed, Apache, Apache Tomcat, PHP-FPM

Tools: Git, GitHub, GitLab/Gitea, Antigravity, Codex, VS Code, Postman, Telegram Bot API

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer

Joywood · Perak, Malaysia · Jan 2020 – Present

- Delivered 30+ production websites and business systems for SME, NGO, and e-commerce clients, owning the full lifecycle from requirements through deployment, support, and end-user training. Live examples include chaijoywood.com and sifumail.com.
- Built AI-enabled customer support tools integrating the OpenAI API and OCR receipt verification, automating routine inquiries and cutting manual ticket handling.
- Developed backend services and internal portals in PHP CodeIgniter and Java Spring Boot supporting billing, operations, and customer workflows.
- Designed and operate a three-host self-managed Docker platform — Synology DSM, Unraid and an Ubuntu 24.04 VPS — running 162 containers across 78+ compose stacks at over 99% uptime (>99.9% for client-facing VPS services). Traefik reverse-proxy fleet with automated TLS, Prometheus/Grafana monitoring on every host, authentik SSO, MySQL master/replica replication, CI/CD and automated backup.
- Automated ops pipelines and accelerated full-stack delivery in Python, orchestrating Agentic Coding workflows (Antigravity, Codex) and autonomous runtimes (Hermes Agent, MCP) with strict CI/CD and regression test gates.
- Provided solution architecture, deployment, production support, and end-user training for client and internal teams.

Founder / Full Stack Developer

Hoelee Enterprise (SifuMail) · Malaysia · Sep 2019 – Apr 2023

- Founded and operated an independent web development and hosting practice delivering websites, email hosting, and hosting infrastructure to Malaysian SMEs and startups.
- Built and maintained client WordPress sites with Kadence and Elementor, adding custom functionality through JetEngine and JetSmartFilters.
- Developed full-stack applications in PHP CodeIgniter, Java Spring Boot, and Node.js, with JavaScript front ends.

- Administered production hosting across multiple providers — AWS EC2, Vultr, Exabytes, Bluehost/cPanel and CyberPanel — spanning both Windows Server/IIS and Linux OpenLiteSpeed/Apache stacks.
- Ran the complete client lifecycle: scoping, delivery, deployment, and ongoing support.

Project Manager / Software Engineer

EduFly · Malaysia · Aug 2018 – Sep 2019

- Led development of an MLM-enabled e-commerce platform with payment gateway integration.
- Coordinated an external development team while owning the internal technical implementation.
- Built Java Spring automation tools for Shopee bulk upload, product sourcing, and workflow automation.
- Developed chatbot integrations for Telegram, WhatsApp, Facebook Messenger, and web.
- Implemented email marketing automation and cross-platform workflow integration.

Software Engineer

Superceed · Remote · Nov 2015 – Jul 2018

- Built enterprise Java Spring Boot web applications and Android apps supporting customer service and food-delivery operations, deployed on Windows Server behind IIS.
- Developed a real-time GPS delivery-tracking platform for food-delivery logistics, improving dispatch visibility.
- Implemented an IBM Watson Assistant chatbot automating customer-service conversations.
- Integrated Speech-to-Text and Text-to-Speech services into enterprise applications.
- Built facial-recognition solutions supporting customer verification.
- Designed a Google Maps franchise territory management system, automating customer assignment and reducing operational disputes.

SELECTED PROJECTS

Telegram AI Customer-Service Bot (DigiKedai)

Self-directed project: a production-deployed Telegram customer-service bot, dockerised on Synology DSM behind a Cloudflare tunnel webhook, using LiteLLM with OpenAI models for intent handling and replies. Running since Aug 2026 and built to demonstrate end-to-end AI integration on real infrastructure.

Self-Hosted Digital-Product Delivery System

NocoDB + n8n pipeline that issues unique, single-purpose download links per buyer and logs every access, replacing manual fulfilment and deterring redistribution.

Multi-Server Production Infrastructure (3 hosts · 162 containers)

Independently designed, deployed and operate three self-managed Docker hosts — Synology DSM, Unraid and an Ubuntu 24.04 VPS — running 162 containers across 78+ compose stacks at over 99% uptime (>99.9% for client-facing services). Covers a Traefik reverse-proxy fleet with Nginx and automated ACME TLS, Prometheus/Grafana/cAdvisor monitoring on every host, authentik SSO with OIDC outposts, a self-hosted mail platform (Postfix, Dovecot, Rspamd, ClamAV, SOGo), PostgreSQL and MySQL master/replica replication, n8n workflow automation, Gitea Actions CI/CD, restic and Duplicati backup and restore, and Passbolt secret management. Hosts live public services, not a test lab.

EDUCATION

Universiti Tunku Abdul Rahman (UTAR)

Bachelor of Information Systems (Hons), Information Systems Engineering

Kampar, Malaysia · Graduated March 2016 · CGPA 3.06/4

Certificate: hoelee.com/cert

LANGUAGES

English · Malay · Mandarin · Cantonese · Hokkien