

HOE KIAN THONG (JIMMY)

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PROFESSIONAL SUMMARY

Accomplished Senior System Analyst & Full-Stack Tech Lead with 9+ years of experience architecting, engineering, and deploying scalable distributed systems across enterprise logistics, healthcare platforms, and ERP solutions. Proven track record leading end-to-end development using modern frontend ecosystems (ReactJS, NextJS, React Native, TypeScript) and robust microservice backends (Java Spring Boot, Python FastAPI, PHP Laravel) on AWS cloud infrastructure. Specialized in GenAI workflow automation, Model Context Protocol (MCP), and automated end-to-end testing pipelines (Playwright, Cypress). Adept at bridging technical implementation with business architecture in fast-paced Agile environments.

CORE COMPETENCIES & TECHNICAL SKILLS

- **Backend & Distributed Systems:** Java (Spring Boot), Python (FastAPI), PHP (Laravel, Yii), Node.js, RESTful APIs, ERP & WMS Systems
- **Frontend & Mobile Engineering:** TypeScript, JavaScript (ES6+), ReactJS, NextJS, React Native, Expo, AngularJS, Material UI (MUI), Ant Design, Tailwind CSS
- **AI Architecture & Test Automation:** Model Context Protocol (MCP), AI Agent Orchestration, Playwright, Cypress E2E Testing, LLM Tooling Integration
- **Cloud & Infrastructure:** AWS (EC2, S3), MySQL, Relational Database Design, CI/CD, Git/GitHub, Agile/Scrum Development

WORK EXPERIENCE

Heycloud Technology — Senior System Analyst / Tech Lead

Mar 2025 – Present | Selangor, Malaysia

- Development of an enterprise-grade Warehouse Management System (WMS) using Java Spring Boot, Next.js, Python FastAPI, and TypeScript.
- Implemented AI-driven testing and automation workflows utilizing Model Context Protocol (MCP) and autonomous agents, alongside maintaining comprehensive Markdown (MD) documentation.
- Served as Team Lead: conducted code reviews, assigned and monitored junior tasks, and reported sprint/project status directly to management.

Technologies: Java, Spring Boot, Python FastAPI, ReactJS, Model Context Protocol (MCP), Playwright, Cypress.

Dimension Solutions Services — Senior Application Developer

Oct 2023 – Mar 2025 | Johor Bahru, Malaysia

- Directed full-stack cross-platform mobile development and web CMS platforms for key client accounts and internal products.
- Built cross-platform mobile applications using React Native and Expo, increasing cross-platform code reuse and optimizing performance for iOS and Android.
- Maintained modular PHP (Yii) backend APIs and relational database architecture to optimize application efficiency and throughput.

Technologies: ReactJS, React Native, Expo, PHP (Yii), RESTful APIs, Git.

EM2AI Group — Software Developer II (Promoted from Developer I)

Mar 2022 – Sep 2023 | Johor Bahru, Malaysia

- Earned accelerated promotion to Developer II within 16 months for driving technical delivery across high-availability healthcare systems.
- Decoupled legacy monolith platform into a modern decoupled architecture, combining a ReactJS single-page frontend (MUI, React-Hook-Form) with PHP Laravel REST APIs and MySQL database layers.
- Integrated proprietary machine learning and AI inference modules directly into clinical workflows, adhering to strict data security and compliance standards.
- Championed Agile/Scrum best practices, leading daily standups, sprint planning, and retrospectives to ensure predictable release cadence.

Technologies: PHP (Laravel), ReactJS, Material UI, React-Hook-Form, MySQL, Git, Agile/Scrum.

Visionex (M) Sdn Bhd — Full-Stack Web Developer

Dec 2017 – Mar 2022 | Johor Bahru, Malaysia

- Engineered and maintained an enterprise ERP platform covering HRMS, CRM, Warehouse, Orders, and Accounting modules hosted on AWS cloud.
- Built a high-volume B2B customer portal directly integrated with ERP backends, digitizing invoicing workflows and reducing administrative operational costs.
- Developed performant web frontend interfaces using ReactJS, NextJS, AngularJS, and Ant Design with high-throughput PHP Laravel backend services.

Technologies: ReactJS, NextJS, AngularJS, PHP (Laravel), MySQL, AWS (EC2, S3), Ant Design.

Cari Internet — Web Programmer

Sep 2017 – Nov 2017 | Kuala Lumpur, Malaysia

- Maintained core platform features and community forum services supporting high-traffic user engagement.

Technologies: PHP, Laravel, MySQL, Linux (PuTTY), FileZilla.

iWowSoft — Frontend Developer Intern

Oct 2016 – Dec 2016 | Kuala Lumpur, Malaysia

- Redesigned and modernized UI/UX components for enterprise Human Resource Management (HRM) software.

Technologies: ASP.NET, C#, HTML5, CSS3, JavaScript.

EDUCATION

Universiti Tunku Abdul Rahman (UTAR) — Kampar, Malaysia

Bachelor of Computer Science (Honours) | May 2013 – Mar 2017

LANGUAGES

- English: Intermediate | Mandarin: Native / Bilingual | Malay: Intermediate