

CHOO KAH HOE

Full-Stack Software Developer

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PROFESSIONAL SUMMARY

Full-stack developer with 2+ years building and shipping production systems across web, mobile, and backend. Currently the sole full-time developer at Fynn Software, owning projects end to end — requirements gathering, use-case analysis and ERD design, through iterative delivery, deployment, and maintenance. Experienced across NestJS, Laravel, Hono, React, React Native (Expo), and Go, with PostgreSQL and MySQL at scale. Comfortable self-hosting and containerising services on DigitalOcean with Docker and Dokploy.

WORK EXPERIENCE

Software Developer | Fynn Software Sdn. Bhd.

Sept 2025 – Present

Sole full-time developer — full ownership from requirements and ERD design through deployment and maintenance.

- **E-Hailing Platform** — designed and built the entire backend for a ride-hailing product (customer app, driver app, admin portal): NestJS 11 + PostgreSQL/Prisma, 14-table schema, JWT access/refresh auth, real-time tracking over WebSockets with a Redis adapter, driver wallet and commission logic, ratings, reports, and S3 media handling. Sole author across 480+ commits.
- **YesGift** — built a B2B gift-and-quotation platform end to end (NestJS + Prisma + PostgreSQL): product and variant catalogue, quotation generation with PDF output, customer and salesperson management, payment terms, audit logging, and WhatsApp/email notifications. Authored the requirements, use cases, and ERD first, then delivered in iterations.
- **HostelPro — Hostel Rental Management** — architected and built a rental management system on a 29-table PostgreSQL schema (NestJS 11 + Prisma): tenants, units, contracts, rentals, settlements, expenses, receipt OCR ingestion, soft-delete repositories, scheduled jobs, and Excel/PDF export.
- **SynCore FMS — Fleet Management** — lead developer on a fleet management platform (180+ commits): Hono + Kysely + PostgreSQL API with a separate cron service and RabbitMQ queue, React dashboard with Google Maps live tracking, and configurable SMS/voice-call alerting per recipient. Deployed via Docker Compose.
- **Old Town ERP** — primary developer on a live Laravel ERP for Old Town (350+ of 410 commits): third-party API integrations, refiller export reporting with daily totals, and query work against a multi-hundred-GB production MySQL database. Also built out the React admin dashboard (Old Town H5) — stock tables, chat module, analytics charts, and refund handling.
- **DLT Auto-Registration** — built a Go microservice for automated device registration with government telematics endpoints — webhook routing, engine-status polling, and ignition alerting. Containerised with Docker and CI on GitHub Actions.
- **SynCore GPS / Driver App** — built cross-platform mobile apps from scratch in React Native (Expo Router, TypeScript): live GPS tracking, push notifications via Expo, geocoded address resolution, dynamic form rendering, and secure token storage.
- **Internal services & integrations** — self-hosted and extended a WhatsApp Business gateway (GOWA) and a Piper text-to-speech service behind internal HTTP APIs, adding outbound calling with synthesized audio; built a FastAPI OCR service wrapping Tesseract and RapidOCR for receipt and code extraction. Published images to Docker Hub via CI.

Software Developer | Revnology Sdn. Bhd.

Jun 2025 – Sept 2025

- Developed BIGPOS, a point-of-sale mobile application, and Eatsy Social, a social platform — building both the mobile front end and the social-feed backend logic.
- Implemented indoor map navigation for mobile.

Software Developer (Intern) | IPS Software Sdn. Bhd.

May 2024 – Aug 2024

- Built the front end for the US Pizza online ordering system (React, HTML/CSS) and integrated it with backend APIs.
- Maintained and fixed bugs in the Commas backend (PHP); contributed to UI/UX design and code review.

TECHNICAL SKILLS

Backend: NestJS, Node.js (Express, Hono), PHP (Laravel), Python (FastAPI), Go

Frontend: React (JS/TSX), Next.js, TanStack Router & Query, Tailwind CSS, shadcn/ui, MUI, SCSS

Mobile: React Native / Expo (Expo Router, EAS), Kotlin, Flutter

Databases: PostgreSQL, MySQL, SQLite, MongoDB — Prisma, Kysely, Eloquent; large-dataset SQL

DevOps & Infra: Docker, Docker Compose, Dokploy, DigitalOcean, GitHub Actions CI/CD, Nginx, Redis, RabbitMQ, AWS S3 / Cloudflare R2

Practices: Requirements analysis, use-case modelling, ERD design, iterative delivery, REST API design, Zod validation, Git

AI-Assisted Dev: AI-driven workflow for project delivery — requirements to use-case analysis to ERD to planned iterations to implementation

PERSONAL PROJECTS

- **Risk Management & Position Sizing App** — a live web app that turns a stop-loss into a correctly sized position: half-Kelly sizing, a trade ledger, and a strategy backtester. Built and deployed solo.
- **Roster Ledger App** — scheduling and record-keeping tool built to replace a manual spreadsheet workflow.
- **Sales Agent CRM (Final Year Project)** — full-stack CRM for sales agent and lead management.

EDUCATION

Bachelor of Information Technology | HELP University

2022 – 2025

CGPA 3.19 | Core CGPA 3.46

Key modules: Software Engineering Principles, Object-Oriented Programming (Java), Web & Mobile App Development (React, Flutter), Cybersecurity & Ethical Hacking, Cloud Computing, IT Project Management, Data Analytics.

Foundation in Arts | HELP University

2021 – 2022

CGPA 3.21 | Key modules: Introduction to Programming, Front-End Web Development, Computing Principles, Statistics, Finite Mathematics, Public Speaking & Presentation Skills.

LANGUAGES

English • Mandarin Chinese • Bahasa Malaysia