

Kelvin You Kok Eng

AI-native Full-stack Engineer (Frontend-focused)

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SUMMARY

Frontend Engineer at dtcpay (FinTech), shipping a production payment platform serving 9,000+ active users. Same throughline runs through every role: take a messy, high-scale problem and design it into a system that runs itself - a Tencent/MiHoYo analytics platform, a payment platform's frontend and mobile stack, and now agentic dev tooling (Claude API + MCP): Personal-OS, multi-agent PRD/Figma reconciliation. Frontend craft, systems thinking, applied AI.

TECHNICAL SKILLS

Tech Stack:	React, TypeScript, Next.js, Node.js, Python, Java, Go
AI / Agents:	LLM Integration (Claude API), Agentic AI, Multi-agent Systems, MCP (Model Context Protocol), Prompt Engineering, AI-assisted Development
Data:	PostgreSQL, Supabase, Redis
Tools:	Claude Code, Docker, Git, Vercel, GitHub Actions, Playwright

PROFESSIONAL EXPERIENCE

DTCPay (FinTech) Frontend Engineer Kuala Lumpur, Malaysia • Full-time - Built bulk payment, swap, eKYC onboarding, transaction record flows for 9,000+ active users. - Led Flutter to React Native migration, unifying mobile + web to cut duplicate maintenance. - Reusable component patterns and shared UI primitives for cross-product consistency.	Jul 2025 - Present
Simpletruss Frontend Engineer Kuala Lumpur, Malaysia • Full-time - Component library with compound patterns, TypeScript generics, Storybook docs. 40% faster dev velocity, 60KB bundle reduction. - GraphQL layer: Apollo Client, 80% cache hit rate, custom hooks (usePaginatedQuery, useOptimisticMutation). Type-safe, zero prop-drilling. - Performance: Code splitting, virtualization for 10K+ rows, Zustand over Redux. 35% faster initial loads.	Jun 2024 - Jul 2025
Beyondsoft (Tencent) Frontend Developer Kuala Lumpur, Malaysia • Full-time - Performance: Virtual scrolling (500K rows), Web Workers for parsing, debounced filters. Sub-3s loads at 60fps. - Quality: Jest standards, mandatory reviews, 40% fewer production bugs. Docker dev env: 4h '30min onboarding. - Cross-team: Specs with Tencent engineers, cross-browser (Safari, IE11), China CDN optimization.	Jul 2023 - Jun 2024

SELECTED PROJECTS

Personal-OS - Multi-Agent Personal Operating System Built a production agent system with custom skills, MCP servers, circuit breakers, and structured workflows for self-management, finance, learning, and career tooling.	In Progress
PTIB - Tuition Center Management SaaS Multi-tenant SaaS digitizing a 200-student tuition center. Role-based portals, Stripe billing, QR attendance, row-level security in Supabase. Saved 5 hrs/week, \$500 MRR from 3 pilot centers.	In Progress
Agentic Dev Tools - Claude API + MCP Built LLM-powered Playwright spec generation and multi-agent PRD/Figma reconciliation tooling with Claude API, MCP, and structured tool calls.	In Progress

EDUCATION

Tunku Abdul Rahman University of Management and Technology Bachelor of Software Engineering (Honours) Kuala Lumpur, Malaysia • CGPA: 3.72	Jun 2021 - Jul 2023
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