Kelvin You Kok Eng

Full-stack Engineer · LLM Agents & AI Products · Fintech Payments

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SUMMARY

Full-stack engineer on dtcpay's production payments platform (9,000+ users): React and React Native front ends, Kotlin + Spring Boot services. I build LLM agent systems on the Claude Agent SDK — MCP tool servers, hybrid RAG, multi-agent debate, and evaluations that score past outputs against real outcomes. 3+ years across fintech, enterprise SaaS and Tencent-scale analytics.

EXPERIENCE

Jul 2025 - Present

Frontend Engineer

DTCPay (FinTech) · Kuala Lumpur, Malaysia · Full-time

Production payments platform, 9,000+ users. Led Flutter to React Native migration unifying mobile + web.

- Kotlin + Spring Boot cross-currency batch payments: locked FX quotes, cent-exact splits, duplicate guard.
- PII masking across 5 payment surfaces, fail-closed: data stays masked unless explicitly classified corporate.
- AML review (KYT) UI: maker-checker approvals, request-for-info state machine, scoped decisions.
- Cross-system live E2E (Playwright): Wallet → TOP → bank callback → ledger checks, agent-operable runbooks.

Jun 2024 - Jul 2025

Frontend Engineer

Simpletruss · Kuala Lumpur, Malaysia · Full-time

Vendor SaaS (LessenPro) for Lessen, a US property-services operator.

- Built and owned the shared React component library (TypeScript, Storybook) behind LessenPro's screens.
- Apollo cache: cache.modify list writes instead of refetchQueries, so new tickets skip a full list refetch.
- Mobile-first responsive rebuild of the vendor app, with design and backend teams.

Jul 2023 - Jun 2024

Frontend Developer

Beyondsoft (Tencent) · Kuala Lumpur, Malaysia · Full-time

Game analytics platform (DataBrain) for Tencent's Level Infinite.

- Shipped 15+ features in a qiankun micro-frontend (React, Umi, Ant Design) for user-configurable dashboards.
- 100K-row tables: Web Worker parsing, infinite scroll, memoized chart/table components to cut re-renders.
- Delivered from Chinese-language specs with Tencent product and engineering teams across time zones.

PROJECTS

2026

Multi-Agent Stock Analysis

Four-desk multi-agent research pipeline on the Claude Agent SDK: per-desk MCP tool servers, hybrid RAG (BM25 + local embeddings, RRF) over SEC 10-K/10-Q with a point-in-time cutoff (93% hit@5 on a 30-query eval), an adversarial debate stage, and walk-forward evaluation on a frozen holdout (Sharpe 1.32 net of cost).

2026

Personal-OS

Personal agent system with 12 Claude Code skills on a weekly cadence: MCP integrations, guardrail rules the model cannot override, and an audit agent that reviews the other agents' advice.

SKILLS

AI / Agents	LLM Integration (Claude API), Claude Agent SDK, MCP (Model Context Protocol), Multi-agent Systems, RAG
Tech Stack	TypeScript, React, React Native, Next.js, GraphQL, Apollo Client, Kotlin, Spring Boot, Python, Node.js, FastAPI
Data	PostgreSQL, Supabase
Cloud & Delivery	Vercel, Docker, GitHub Actions (CI/CD)
Tools	Git, Claude Code, Playwright

EDUCATION

Jun 2021 - Jul 2023

Bachelor (Hons) — Software Engineering (Honours)

Tunku Abdul Rahman University of Management and Technology · Kuala Lumpur, Malaysia · CGPA 3.72