

Kang Peng

AI Application Engineer · ex-PayPal · Financial Systems

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Engineer with 3.5 years of experience at PayPal and a track record of independently building AI products used by hundreds of real users. Designs and ships products from 0 to 1 across LLM workflows, financial systems, API platforms, and full-stack applications.

Experience

PayPal — Software Engineer II

2022.11 – 2026.05 · Shanghai

Built engineering infrastructure and end-to-end payment solutions for PayPal Complete Payments Platform, covering merchant onboarding, checkout, payment processing, subscriptions, and settlement workflows.

- **Built reusable merchant onboarding workflows** · **Managed Accounts V3** · **Builder architecture** — Refactored hard-coded JSON into composable workflows for Shopify and Wix integrations, covering onboarding, KYC/CIP states, and payment capabilities.
- **Built payment lifecycle workflows around Orders V2** · **Orders V2** · **Payment processing** — Covered CAPTURE/AUTHORIZE payment flows, refunds, fixed and rolling reserves, reserve releases, and settlement workflows.
- **Extended API automation into buyer-facing Checkout Experience** · **XO** · **Selenium** — Built automation across API and UI layers for login, payment selection, order summary, buyer approval, and payment completion.
- **Developed custom webhook configuration for Subscriptions** · **Subscriptions** · **REST Apps** · **Webhooks** — Enabled merchants to select an existing REST App for subscription plans, implemented configuration persistence, retrieval, and updates, and integrated with existing webhook notifications.
- **Built an AI-assisted subscription workflow platform and shared engineering infrastructure** · **LLM workflows** · **Jenkins** — Combined prompt engineering, payment expertise, and reusable workflows to enable natural-language E2E execution and detect cross-service payment regressions.

LLM Applications · Java · REST APIs · Payment Systems · Selenium · Playwright · Jenkins · Webhooks · FastAPI · Redis · PostgreSQL · DeepSeek · Codex

Shopee — Software Engineer

2022.07 – 2022.09 · Shenzhen

- **Built real-time ETL pipelines for store and order event streams** · **Flink** · **Kafka** · **Redis** — Implemented deduplication, joins, and risk-control rules for real-time anti-scalping workflows.

Flink · Kafka · Redis · Scala

Baidu — Software Engineer (Intern)

2021.04 – 2021.07 · Beijing

- **Built offline data-sync pipelines (HDFS → MySQL / FTP)** · **Spring Boot** · **Hadoop** — Added Grafana-based monitoring and alerting to improve data-job observability.

Spring Boot · Hadoop · MySQL · Redis

Core Skills

AI: LLM APIs · Prompt engineering · AI agents · Structured outputs · Context & memory · Workflow automation

Backend: Java · Python / FastAPI · Node.js · REST APIs · PostgreSQL / Redis

Frontend: React / Next.js · TypeScript · Swift / SwiftUI

Infrastructure: Supabase · Railway · Vercel · Cloudflare

Payment: Orders API · Vaulting · Subscriptions · Webhooks · Checkout · Payment lifecycle

Independent Products

AI Agent Trading Decision Platform

400+ users · Solo

[myspx.trade](#) · [multi-agent options analysis](#) · [5-agent voting engine](#) · [4 Discord bots](#)

Five LLM agents vote independently on live options data — agreement triggers a signal, conflict forces a hold. Outputs are constrained to a closed tag set, so a hallucination can never reach a trading decision.

Next.js · TypeScript · Python / FastAPI · PostgreSQL · Redis · LangGraph · MCP · Railway · Cloudflare

uReflex

100+ users · Solo

[uReflex](#) · [AI journal & coach](#) · [3 layers of AI feedback](#) · [Socratic AI coach](#)

Per-trade critique, portfolio-level bias diagnosis, and a Socratic chat coach over a trader's own history. Full guest experience on local storage; data migrates to the cloud on sign-up.

Next.js · TypeScript · Supabase · Gemini · Vercel

HMGolf

200+ users · 0→1 · AI-assisted

[AI-assisted iOS / iPad app for golf clubs](#) · [Built 0→1 with ChatGPT & Gemini](#) · [200+ users](#)

Used ChatGPT and Gemini as coding collaborators to build and ship a Swift/SwiftUI app from zero to production, including GPS geofencing, multi-iPad synchronization, multilingual voice, and live leaderboards.

Swift · SwiftUI · MapKit · ChatGPT · Gemini

Selected open source

- **Price Action Compass** · Charts · Simulation · 85 stars
- **Trading Second Brain** · Agent memory · Knowledge · 51 stars
- **Options Wall Book** · Options · Web book · 52 stars

Education

University of Chinese Academy of Sciences

2019.09 – 2022.06

M.S., Nanoscience & Technology · GPA 3.45 / 4.0

Dalian Maritime University

2015.09 – 2019.06

B.E., Marine Engineering · GPA 3.88 / 5.0 · Ranked 2nd in major

Awards

- National Scholarship × 2 (top 1% nationally) · 2017 / 2018
- DMU President's Scholarship — Top 10 Outstanding Students · 2018
- UCAS First-Class Academic Scholarship · 2020 / 2021
- PayPal Spot Award — Payments E2E Team · 2023
- PayPal Props (10 bravos) · 2024