

# Cheung Cheuk Ming, Hugo

Senior engineer & technical lead — Hong Kong brokerage and HKEX-ecosystem depth, now operating an AI-native engineering workflow.

13<sup>yrs</sup>

LOC Hong Kong TEL +852 9837 1270 @ hugo@hcming.org

IN HK FINTECH  
& HKEX SYSTEMS

## 01 PROFILE

Senior engineer and technical lead with 13 years across Hong Kong's brokerage and HKEX ecosystem — the full trade lifecycle (trading, clearing, settlement, market data) and in-house trading-desk operations, plus regulated-broker setup (SFC RA1/RA2, HKEX EP/CP). Now shipping production fintech and operational systems hands-on, using an **AI-native development workflow**: agent-orchestrated coding, automated code review, and deterministic regression testing.

## 02 EXPERIENCE

Mar 2024  
– Present  
Hong Kong

### Novel Day Enterprise Limited

Chief Information Officer

- Deliver brokerage system services to a HK brokerage client as a software vendor — system development, integration, and ongoing support.
- Deliver customised automation services to HK financial-services clients, replacing manual back-office workflows with deterministic packaged tools.
- Own the in-house operations platform for a group company running a HK chauffeur & charter car service — vehicle management, driver check-in/out, order management, and payroll.
- Hands-on project management, infrastructure configuration, and software development across all projects.
- Adopted an AI-native engineering workflow as the core delivery method across all of the above.

Jan 2023  
– Aug 2023  
Hong Kong

### JCM Capital Limited

Chief Operating Officer

- Drove the firm's regulatory licensing — SFC RA1 / RA2 license application and HKEX Exchange Participant + Clearing Participant submissions — documentation, regulator correspondence, internal policy.
- Built the in-house trading system end-to-end; certified it against HKEX OTP-C and HKATS test cases.
- Designed and deployed the firm's trading infrastructure — order management system, internal storage, network architecture, routing, VPN.
- Ran company operations alongside the tech build — accounting, bookkeeping, vendor management.

Sep 2014  
– Dec 2022  
Hong Kong

### I-Access Group Limited

Multiple roles · 8.3 years

- **Head of Trading Technology** Jan 2022 – Dec 2022  
Led the trading-technology function through the firm's exit from its trading business — system maintenance, infrastructure handover, and orderly close-down of production systems.
- **Trading Officer** Aug 2021 – Dec 2021  
Responsible for the day-to-day running of the firm's trading desk operations.
- **Chief Information Officer** Sep 2018 – Jul 2021  
Managed the System and Development departments; delivered HKEX-mandated and in-house business IT projects; designed and enforced cyber security and IT-operations policy under SFC regulatory expectations; owned IT procurement and infrastructure.

- **EDP Division Head** Sep 2017 – Sep 2018  
Supervised both the Development department and the Settlement department (daily settlement operations for securities and derivatives); standardized and automated settlement workflows; delivered HKEX-mandated and in-house projects across both teams.
- **Programmer → Development Department Head** Sep 2014 – Sep 2017  
In-house business projects across stock borrowing & lending and commodity trading; subordinate supervision; technical documentation.

Jul 2012  
– Jul 2013  
Hong Kong

## Hong Kong Exchanges and Clearing Limited (HKEX)

Assistant Analyst Programmer · Derivatives System Development & Support

- Developed the automated testing tool for the HKATS derivatives trading system (VB.Net / VBA / shell); contributed to the HKATS Genium platform migration.

### 03 SKILLS

#### AI-NATIVE ENGINEERING WORKFLOW

Hermes Agent · OpenClaw · Pydantic AI · Cursor IDE · Claude Code · Codex CLI · Multi-agent orchestration  
Automated code review · Test-driven development · Regression fixture testing · Autonomous CI/CD loops

#### GENAI CONCEPTS & INTEGRATIONS

RAG · Vector databases · Embeddings · Prompt design · LLM orchestration · Semantic search  
Structured output (Zod / Pydantic) · Tool-calling agents · Agentic system design

#### PROGRAMMING LANGUAGES

TypeScript · Python · JavaScript · SQL · C++ · C# · Java · VB.NET · VBA · HTML / CSS / XML

#### HKEX & BROKERAGE SYSTEMS

HKATS · OCG-C · OMD · CCASS · SDNet

#### DOMAIN KNOWLEDGE

HK brokerage operations (sell-side trading, clearing, settlement) · Proprietary trading desk operations · SFC RA1 / RA2 license application · HKEX Exchange Participant + Clearing Participant application

### 04 EDUCATION

**BSc (Hons) Computer Science**  
City University of Hong Kong 2014  
**LCCI Level 3 Cert. Accounting (IAS)** 2010

### 05 LANGUAGES

**Cantonese** — native  
**English** — good  
**Mandarin** — good

### 06 SIDE PROJECT

**Project IPO** — a HK IPO research site I built for myself, now used and shared by a few friends. Multi-stage AI pipeline: HKEX News + Futu OpenD data fetch, allocation parsing, scored research reports. Next.js + Supabase + Railway. [stockreport.hcming.org](http://stockreport.hcming.org)



SCAN