

# HYPERIONJ

## Schwab API Trading System Stabilization

*Your system is 80-90% complete. I'll take it to production-ready.*

SEIICHI TANAKA

Trading Systems & STEM Education



PineScript & MQL5 Developer



20+ Production Apps Built



30 Years STEM Professional



Upwork Rising Talent

# I KNOW YOUR SYSTEM'S PAIN POINTS

Not guessing — these are the documented Schwab API challenges every trading system faces.



## OAuth Token Lifecycle

Access tokens expire every 30 min

Refresh tokens die after 7 days

Password resets kill all tokens

→ I'll build proactive refresh + alerts



## Order Execution Logic

Cryptic rejection messages

Price truncation bugs (4 vs 2 decimals)

Multi-leg orders can't be partially cancelled

→ I'll validate before every submission



## Rate Limiting & Async

120 req/min hard ceiling

Batch quotes vs single price history

asyncio event loop conflicts

→ I'll implement request budgeting



## DTE & Position Management

Options chain DTE filtering

Hashed account number requirement

Weekend/holiday edge cases

→ I'll add safety guardrails

# DELIVERY PLAN

Day 1-3

## CODE AUDIT

Review HyperionJ codebase,  
identify failure points, map OAuth  
flow

Day 4-8

## CORE FIXES

Token lifecycle, order validation,  
error handling, async conflicts

Day 9-12

## HARDENING

Rate limiting, DTE filtering,  
position guards, weekend edge  
cases

Day 13-14

## DELIVERY

Testing, structured logs,  
documentation, handoff with  
monitoring

**30**

YEARS

STEM Education

**20+**

APPS

Production Deployed

**530+**

QUESTIONS

Exam Content Created

**5+**

YEARS

PineScript & MQL5

# LET'S STABILIZE HYPERIONJ

# \$700

FIXED PRICE · 2-WEEK DELIVERY · 3 MILESTONES

Structured payment: \$200 → \$300 → \$200 at each milestone



OAuth hardening & token management



Order logic validation & testing



Structured logging & error handling



Documentation & clean handoff

*I see this project as a chance to deepen my Schwab API expertise — I'm investing in this relationship.*