

SUHUN KWON

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Key Achievements

- successfully completed porting of core trading strategy with daily revenue up to \$150K and annual ROI exceeding 400%
- Achieved 20ns core-to-core latency through CPU overclocking and core pinning (benchmark by AIDA64)
- Ported legacy Free Pascal-based server codebase to C, enabling efficient operation and maintenance with no documentation

Technical Skills

- C : Developed and operated trading server within DMA infrastructure at domestic securities firm; built command-line tools for operations
- Node.js : Developed web servers, backend systems, and latency non-critical trading bots using TypeScript
- Rust : Built cryptocurrency arbitrage bots and developed Solana on-chain programs
- Agent : Established agent orchestration-based development environment leveraging Claude Code and OpenCode
- Other : Terminal-based workflow preferred. [dotfiles ↗](#) for reference

Career Experience

Ridge Trading Group

Software Engineer

Development Team
2024.02-2025.08

- DMA Trading System Development
 - Authored new test framework and established testing infrastructure
 - Achieved 20ns core-to-core latency through CPU optimization and pinning techniques
 - Built microsecond-level real-time communication system using lock-free Ring Buffer SPSC Queue
 - Implemented market data FEP handling and comprehensive batch/quote/trade/sensitivity processing
 - Maintained MFC-based trading monitoring system
- Trading Strategy Development
 - Developed DMA-based equity spot trading strategies in no-IDE environment
 - Managed approximately \$12M in assets

Business Canvas

Software Engineer

Development Team
2021.09-2023.02

- Web Programming
 - Removed legacy bundler code (Neutrino) and rebuilt with Webpack, improving developer experience
 - Progressively migrated codebase to TypeScript, replacing approximately 80% of the code
 - Developed and deployed design system using Storybook, Rollup, and SVGR
 - General web development (UI composition, API integration, feature implementation)

Personal Projects

Trading

- Delta-neutral liquidity provision on Aerodrome generating consistent yield
- Arbitrage strategy development in prediction markets leveraging CTF mechanics
- Market-making strategy development within CEX based on Glosten-Milgrom Model and market microstructure

Education

Seoul National University

B.S in Venture Business Management & Korean Literature

Seoul, South Korea

Mar 2014 - Sep 2022 (+ 2 years in air-force)

Naver Connect Foundation

boostcamp AI Tech, Recommender System

Seoul, South Korea

2023.03-2023.08

Solana Builder Certificate

Certified Solana Builder

HackQuest and Solana Foundation

2025.12