

# SUHUN KWON

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## Key Achievements

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- 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

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- 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

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### Ridge Trading Group

Development Team

Software Engineer

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

Development Team

Software Engineer

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

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### 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

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### Seoul National University

Seoul, South Korea

B.S in Venture Business Management & Korean Literature

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

### Naver Connect Foundation

Seoul, South Korea

bootcamp AI Tech, Recommender System

2023.03-2023.08

### Solana Builder Certificate

HackQuest and Solana Foundation

Certified Solana Builder

2025.12