PARK JUNGHO (Kyle) - CV

Quantitative Trading Engineer | Blockchain Developer

2+ years specializing in quantitative trading systems (Rust/Go) and enterprise blockchain infrastructure (Solana, Hyperledger Fabric)

CONTACT

- **Email**: andy3638@naver.com
- **Telegram**: https://t.me/kyleparkio
- **Portfolio**: https://jungho.dev
- **Professional Quant Career**: https://jungho.dev/quant
- **Personal Trading Strategy Development**: https://jungho.dev/personal-quant
- **Live Quant Trading Dashboard**: https://kyle-quant.xyz (pw: demo2025)

PROFESSIONAL EXPERIENCE

Kronon Labs Co., Ltd.

Trading System Backend Engineer | Apr 2025 - Nov 2025 (8 months)

Tech Stack: Go, Rust, Python, AWS, Docker

- **CEX Cross-Exchange Arbitrage System**

  - Architected and deployed Taker-Taker and Maker-Taker arbitrage strategies with real-time dashboard for PnL monitoring and position tracking

- **Solana DEX Trading Infrastructure**

  - Built automated trading bots implementing proprietary alpha strategies (New Pair Detection, Back From The Dead, Fat LP Analysis) for on-chain opportunities

- **Trading Metrics & Analytics Platform**

  - Designed universal metrics collection framework supporting multiple strategies with real-time visualization and performance analysis

- **AI-Powered Sentiment Trading System**

  - Developed sentiment analysis engine processing news feeds, KOL tweets, and Telegram channels to generate trading signals using LLM-based agents

- **Exchange Listing Sniper Bot**

  - Implemented real-time monitoring system detecting new token listings across major exchanges with sub-second automated order execution

- **High-Frequency Metrics Visualization**

    - Built scalable backend infrastructure handling 10k+ data points per second for real-time trading metrics charts

Medium Inc.

Backend Engineer | Sep 2022 - Feb 2024 (1 year 6 months)

Tech Stack: Go, TypeScript (NestJS), Hyperledger Fabric, AWS, GCP, Docker

- **Cross-Chain Bridge Infrastructure**

    - Developed secure bridge protocol connecting company L1 mainnet with private consortium chain, enabling asset transfers and state synchronization

- **Security Token Platform (ERC-1400)**

    - Implemented compliant STO infrastructure on Hyperledger Fabric following ERC-1400 standard for regulated digital securities issuance

- **Cryptocurrency Wallet Service**

    - Built production-grade wallet API supporting multi-chain assets with HSM integration and enterprise-level security controls

BF Labs Inc.

Backend Engineer | Aug 2022 - Sep 2022 (2 months)

- **Government Research Project**
    - Contributed to IITP (Institute of Information & Communications Technology Planning & Evaluation) funded blockchain research initiative, developing core API infrastructure

---

TECHNICAL SKILLS

Full-stack engineer with production experience across backend, blockchain, and frontend development. Language-agnostic problem solver capable of delivering end-to-end solutions from system architecture to deployment.

- **Languages**: Rust, Go, Python, TypeScript
- **Backend Frameworks**: NestJS, Next.js, Gin, Fx
- **Blockchain**: Solidity, Solana (Rust), Move, Hyperledger Fabric
- **Frontend**: React, SolidJS
- **Infrastructure**: AWS, GCP, Docker, Kubernetes
- **Specializations**: Financial Market Protocols, DeFi Protocols, DEX/CEX Trading Systems, High-Frequency Trading, Medium-Frequency Trading, Cross-Chain Bridges

---

PERSONAL TRADING STRATEGIES

Developed and deployed proprietary algorithmic trading systems for personal portfolio management.
Full documentation: https://jungho.dev/personal-quant

Binance Triangular Arbitrage System

Tech Stack: Rust, FIX Protocol, SBE (Simple Binary Encoding)

- Built high-performance triangular arbitrage engine using FIX protocol and SBE for ultra-low latency execution
- Implemented real-time opportunity detection across multiple trading pairs on Binance

Polymarket & Crypto Prediction Markets

Tech Stack: Go

- Developed automated trading strategies for prediction market arbitrage
- 15-minute cryptocurrency momentum trading system with sub-$1 mispricing detection
- Directional trading algorithms based on sentiment analysis and market microstructure

EDUCATION

Kyung Hee University, Seoul

Bachelor of Engineering in Mechanical Engineering | Mar 2014 - Aug 2022

AWARDS & RECOGNITION

- **3rd Place - Seoulana Hackathon 2025** | Apr 2025
  - Solana blockchain development competition

- **Team Leader - KAIST Blockchain Society Orakle (7th Gen)** | Sep 2025
  - Leading technical education and project development for premier Korean blockchain community

- **Engineer General Machinery (Engineer)** | Dec 2020
  - Issued by Human Resources Development Service of Korea (HRDK)

LANGUAGES

- **English**: Intermediate-High (TOEIC Speaking Level 6, 150/200)
- **Korean**: Native

PORTFOLIO

- **Personal Website**: https://jungho.dev

    - Comprehensive showcase of blockchain and trading system projects

- **Personal Portfolio Dashboard**: https://kyle-park.notion.site/HI-I-m-KYLE-c52ac7c7e75c41dd92792f9db8cee895

    - Comprehensive showcase of projects, technical documentation, and achievements