JIRI PIK
AI CLOUD ARCHITECT | QUANT TRADER

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BACKGROUND

Dynamic Quantitative Developer and Cloud Architect with over 15 years of experience designing and implementing high-performance, scalable solutions for financial trading systems. Skilled in low latency distributed complex adaptive systems and leveraging machine learning for trading optimization. Proven quantitative finance, AI, and cloud architecture expertise for data-driven decision-making and strategic growth.

EDUCATION

MASTER OF COMPUTER SCIENCE IN MATHEMATICS & OPERATIONS RESEARCH

Charles University, GPA 4.0

CERTIFICATIONS

- CAIA, CFA, FRM
- 20+ AWS and Azure Cloud Certifications
- PMP, Scrum Alliance Certifications

SELECTED PROFESSIONAL EXPERIENCE

ROCKETEDGE.COM | FOUNDER & LEAD ARCHITECT

Zurich, Switzerland + Singapore, 2016 – present

Founded an AI startup specializing in cloud computing, artificial intelligence, and finance. Developed cutting-edge AI solutions for financial modeling and risk management. Designed and implemented scalable cloud architectures for high-performance computing.

OQUANT | CHIEF CLOUD ARCHITECT

Singapore, 2022 – 2023

Led the design and implementation of advanced cloud-based systems for financial market data, backtesting, and trading. Optimized trading strategy reliability through top-tier tick data vendor selection and deploying real-time trading infrastructure on Equinix NYSE co-located servers to enhance trading speed and reduce latency. Implemented an NVIDIA CUDA-based options pricing engine.

GOLDMAN SACHS, JPMORGAN, CITI, UBS | QUANTITATIVE STRATEGIST (VARIOUS ROLES)

Singapore & Global | 2008 – 2020

Architected quantitative models for risk assessment and trade optimization, contributing to trading systems with a turnover exceeding 2B USD. Conducted advanced time-series analysis and developed high-frequency trading algorithms, significantly increasing trade execution efficiency and reducing slippage. Collaborated with portfolio managers and risk teams, using AI and ML to improve the predictive accuracy of pricing models by 15%.

CORE COMPETENCIES

- Quantitative Analysis & Modeling
- Cloud Architecture & Scalability
- Machine Learning & AI
- Programming Languages (Python, C++, C#, Java, R, Rust, SQL)
- Financial Data Management