

T A M B E B A R S B A Y

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EMPLOYMENT HISTORY

BLOCKERDNS – NJ

JUL 19–PRESENT

Owner

Cloud-Based Private Encrypted DNS Service

- > Private DNS service offering categorical as well as user-customizable content control and blocking
- > Target market includes individual/household users, small businesses, schools, libraries and churches
- > Individual and multi-user family use cases range from simple ad blocking to more complex setups such as blocking adult, social media or streaming video on kids' devices to circumvention of ISP censorship, traffic manipulation and data collection
- > Use cases for business and education include protection of company or student data from ransomware/malware threats as well as blocking dubious data collection by marketers and data brokers
- > All code designed/developed from the ground up
- > Software is also licensed for white labeling to a third-party targeting its own niche market

CONQUEST CAPITAL GROUP – New York, NY

MAY 08–JUL 19

Vice President, Research

Systematic CTA hedge fund specializing in low-cost liquid alternative beta with \$1.1B peak AUM and 20-year track record

- > 11+ years of broad hands-on experience with all aspects of running a hedge fund, focused on quant research and trading
- > Developed trading algorithms that ran in the firm's short-term and non-beta strategies
 - >> System 1: traded 2011–2017
 - >> System 2: traded 2013–2019
 - >> System 3: traded 2012–2019
 - >> Typical total portfolio weighting between 1.5% and 3.5% for each system, with total P&L of \$14MM+
- > Overhauled and modernized firm's portfolio monitoring and trading infrastructure
 - >> Developed secure web and mobile apps with tick-by-tick live streaming of all portfolio data
 - >> Features included customizable price and P&L alerts for all traded securities and funds
 - >> Aggregation of portfolio data from databases and security pricing data from third-party vendors
 - >> Basic mock-up can be viewed at pnldemo.tambearsbay.com
- > Developed infrastructure for firm's entry into higher frequency trading
 - >> Deployed web and mobile interfaces with back end created from scratch to augment older low-frequency infrastructure
- > Functioned as liaison between quant research and marketing, leveraging combination of quant knowledge and writing skills
- > Daily order generation, entailing acquisition and inspection of final price data, generation of next day's orders, reconciliation of system-anticipated positions versus actual booked trades and distribution of orders to brokers
- > Sunday trading desk coverage for Asia market Monday open, including order execution and manual order management based on market liquidity
- > Monitor and maintain proprietary home-brewed reporting systems and infrastructure
- > Brought firm's tech and security management in-house to limit exposure to third-party security breaches, while at the same time saving the firm thousands of dollars in fees paid to service providers

FORTIGENT – New York, NY & Rockville, MD

SEP 06–DEC 07

Quantitative Analyst, Alternative Investments

Wealth management research, due-diligence and solutions provider

- > Developed proprietary portfolio optimization method used for building bespoke per-client fund of funds portfolios
- > Qualitative and quantitative due diligence on hedge funds and funds of funds for inclusion on firm platform

EDUCATION

GEORGETOWN UNIVERSITY

M.S. Mathematics and Statistics

SEP 06–DEC 07

NEW JERSEY INSTITUTE OF TECHNOLOGY

B.S. Mathematical Science, with Honors

SEP 02–MAY 06

SKILLS

- > Advanced to expert level: Linux, JavaScript, Node.js, Python, SQL/PostgreSQL, MS Office development (VBA/JavaScript), front-to back-office hedge fund infrastructure development, Bloomberg Terminal/APIs, other languages can be learned on-the-fly
- > Conversational in Arabic and fluent in two dialects of Circassian