

## JASON P. RATHGEBER

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Summary:                   • Financial Analytics and Data Specialist with complete background in programming, databases, GUIs and enterprise application management.

### TECHNICAL SKILLS

#### Data:

Qlik                         • Qlikview BI Expert, Sense basics, NPrinting  
Tableau                   • Tableau Server Admin, Rest API Dev  
R                            • R Studio, Shiny  
Python                    • Scripting & Scraping Basics  
Databases                 • PostgreSQL, Sybase, Oracle, and now Snowflake

#### Programming:

Java                       • 10+ Years Pro Enterprise Java, full stack web, Groovy  
Other                      • C# .Net, JavaScript

#### Web:

Cloud                      • Amazon, Azure  
Web Design               • Squarespace, WordPress, Bootstrap

#### AlgoTrading:

Repo                       • ION e-Trading expert in all facets  
Fixed Income             • Spread aggregation and CME future crossover trading  
Equities                  • Write break-out algos for Micro Cap US and Canadian stocks  
FX                         • Run trend following and mean reversion algorithms via MT4

### PROFESSIONAL EXPERIENCE

#### Director - Amherst Pierpont Securities

*New York (December 2012 – Present)*

- Front office technology for a boutique fixed-income broker-dealer
- Implemented the QlikView & Tableau BI platform firm-wide. Developed flagship margining dashboard to manage the firm's counterparty risk exposures. Trained power users. Admin servers and design database feeds.
- ION Trading: Linked model trading framework to direct CME execution via ION platform. MMI Market Plugin development for custom spread aggregator.
- Java Development: Work on various in-house Java technologies to support FO tools such as Spring, Vaadin web toolkit, and general database connectivity.
- Algorithmic Trading: Back-test strategies and present results to trading heads.
- Java Full Stack: Experimented with 'javahipster' on IBM cloud platform. Built prototype robo advisor

- MBS big data warehousing with Snowflake AWS database.

### **Consultant, RBS, Global Markets and Banking**

*Stamford CT (April – November 2012)* Developer in Short-Term Markets and Financing

- Front office trading floor development with extensive interaction with STMF traders. The product was repo funding with an emphasis on Tri-party and MBS.
- Worked on a real-time balance sheet system based on Oracle Coherence distributed map technology and interfaces with a Data-Synapse Grid.
- Used Java technology such as Maven and Eclipse.
- Developed and maintained Perl and Groovy/Grails reporting tools.
- Introduced Qlikview to the team's toolkit.

### **Director, UBS Investment Bank Limited, FICC Collateral Front Office IT**

*Zurich -London – Stamford CT (1997 – February 2012)*

Pioneer of Global Repo E-Trading and STP

- Developed a multi-product Repo trading system with Java services, a TCL front end, and a Sybase database based on the ION trading platform.
- Built a global Repo ECN infrastructure from scratch to an environment comprising 5 ECN's servicing 20 Repo Traders, making 500 transactions per day.
- Hands-on testing of all exchange connectivity and managed full SDLC of the platform.

Team Lead for Real-Time Repo Price Matrix System

- System-priced no-arbitrage global collateral curves.
- Utilized spreads to OIS and other internal non-secured funding curves.
- Computed spreads to market repo rates, calculated price variances and highlighted optimization opportunities.
- Composed of a Java service on UNIX, ION Data Bus, and C# .Net gui

Analyst for US Rates ION e-Trading Implementation

- Configured Bloomberg, MarketAxess, and Tradeweb market gateways.
- Configured auto-negotiation rules & pricing to match legacy specs.

Business Intelligence & Reporting

- Developer of Balance Sheet, Liquidity and Funding Reporting Suite.
- Worked with senior executives in Treasury and Funding on requirements for Repo and Fixed Income Liquidity reporting solutions.

### **EDUCATION**

Financial Mathematics, University of Chicago, 2009-2011

Bachelor of Commerce (Honours), Finance, University of Manitoba, 1995