

# 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 Expert, QlikSense Basics, NPrinting, Server  
Tableau                   • Tableau Server Admin, Rest API Dev  
R                            • R Studio, Shiny neophyte  
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, some JavaScript

### Web:

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

### Analytics:

Fixed Income             • Proprietary broker-dealer data analytics  
Repo                       • ION e-Trading expert in all facets  
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 in NYC
- Business Intelligence Lead: Implemented the Qlikview BI platform firm-wide. Led selection process involving other vendors such as Cognos/Tableau. Developed flagship mark-to-market dashboard to manage the firm's counterparty risk exposures. Built platform to 60 users and 40 dashboards. Trained power users, admin server and manage postgres database.
- ION Trading: Develop and maintain a C#.Net Gui for custom spread trading.
- Java Development: Work on various enterprise Java technologies to support BI tools such as Spring-boot, Camel, Vaadin, and general database connectivity.
- Implemented Snowflake AWS database for Non-Agency MBS big-data warehousing. Automated multiple billion row table synchronization jobs from remote legacy SQL server to Aws S3 and then into Snowflake.

- Implemented Tableau server for MBS quant team. Automated batch processing with the TabCmd and REST Api's via Java. Re-pointed existing Tableau dashboards to Snowflake for huge performance gains.
- Perform many POCs on data technology such as Alteryx and Redshift
- R-Shinny set-up and machine-learning experimentation.

### **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, Eclipse and Groovy.
- 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 trades 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**

Machine Learning, Stanford/Coursera, April 2019 Expected

Financial Mathematics, University of Chicago, 2009-2011

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