



SOFTWARE

IBM
Microsoft
Sybase
Oracle
TIBCO
MicroHedge

SOLUTIONS

Exchange / ECN Data Feeds
Third Party Tool Integration
Custom Application Development
Analysis / Design
Requirements Definition
Database Design and Consulting
Software Testing
Outsourcing
Application Service Providing

SKILL SETS

Client / Server
Database Integration
Web Marketing
Web Design
Web Development
OO / UML Design
E-Commerce
Internet / Intranet / Extranet
Handheld

TECHNOLOGIES

C / C++
Java / JSP / EJB
Perl
XML / XSL
Visual C++
SOAP / UDDI
MFC / ATL / STL
.NET
UNIX / LINUX
Windows 2000
SQL
ColdFusion
Lotus Notes / Domino
HTML / DHTML
JavaScript
Visual Basic (VB)
SQL Server
VBScript
ActiveX
COM / DCOM
Active Server Pages
Palm OS / Pocket PC

SECURITIES/TRADING SYSTEMS SELECTED PROJECT LIST

OptionMan - Ragnarok Systems. Built an internet-based options portfolio trade manager application for the professional trader. Created as a downloadable small footprint Java application that connects to a SOAP server for trade execution and a custom created TIB interface server for pricing and positions/standings information. Technologies used: Java, C++, SOAP, XML, TIB, Solaris, UNIX, and Windows 2000.

EUREX - Stafford Trading. Built a 2-way exchange interface to the European Stock Exchange for order routing, pricing, fills, market-making, and standings data. Technologies used: C++, Sybase, TCP/IP, Solaris, and UNIX.

Portfolio Trade Management System - Banker's Trust. Built a trade management system to execute equity trades, track residuals, maintain rules engine, report confirmations, and interface with SunGard. Technologies used: Microsoft Visual Basic, Visual C++, SQL, and SunGard.

Multiple Exchange Interfaces - Stafford Trading. Built various one and two-way exchange interfaces with redundancy capabilities to/from the following exchanges/ECN'S: AMEX, NYSE, PCST, PHLX, Merrill Lynch, EUREX, XETRA, and Island. Technologies used: C++, TCP/IP, CMS, X.25, Sybase, and Solaris.

Order Manager - Peters Securities. Built a client/server based real time portfolio management and execution system for professional equities traders. Technologies used: Microsoft Visual C++, Visual Basic, XML and ATL.

Basket Execution Server - TD Bank. Built a server engine to execute basket trades for professional options traders. Accepts connections from a variety of interfaces and executes through a proprietary middle tier. Technologies used: Microsoft Visual C++, TIB, and Windows 2000.

3XI - Edge Systems. Built three two-way exchange interfaces with redundancy capabilities to the following exchanges: AMEX, PCST, and PHLX. Technologies used: Visual C++, TCP/IP, CMS, X.25, Sybase, and Windows 2000.

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