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TECHNICAL OVERVIEW

Core Languages	Processes	OSes	Software/Tech
Python (5 years)	OO A&D (13 years)	Linux (7 years)	T/SQL (11 years)
C# (3 years)	XP/Agile (7 years)	Solaris (9 years)	Emacs/elisp (12/2 years)
Java (8 years)	UML (2 years)	Win32 (5 years)	J2EE Servers (6 years)
Lisp (1.5 years)	PRINCE (2 years)	Symbian (1 year)	TCP/IP/DNS (9 years)

WORK EXPERIENCE

Dec 2008 to present **KBC FINANCIAL PRODUCTS** **London, England**
Director, *Front Office Equity Derivatives IT*
Coding and delivery of warrant market-making software using Global Trading's GL/Win API (Win32 C++) to move business from prototype to trading on Euronext.

Feb 2006 to Nov 2008 **KBC Alternative Investment Management** **London, England**
Director, *Global Front Office IT*
Responsible for KBC AIM Front Office development team of eight (8) developers supporting 20 traders and 80 operations/accountants/trading assistants on a real-time distributed trading & risk management system.

- Front Arena (Sungard 3rd party system) was heavily modified (in Python and ADFL, a data-flow/functional language) and run real-time in parallel with the legacy system for 6 months. Automated feeds between systems and continuous reconciliation enabled a smooth, transparent transition period.
- Helped design and architect global Sybase replication configuration
- Implemented hardware and related infrastructure increases from three (3) servers to forty (40) in one year.

Feb 2005 **Associate Director**, *Front Office IT*

Feb 2004 **Developer**, *Front Office IT*

One of two developers hired to seed new hedge fund development group; responsible for trader-driven development projects, enhancements/maintenance of legacy trading system (Imagine), and technical review of new trading system candidates (Murex, Calypso, JRisk, Front Arena).

- Developed C# trade booking GUI and surrounding workflow used to book 1000-2500 trades per month in less than 8 seconds (down from 10 minutes).
- Self-directed education in credit and equity derivatives (including convertible bonds) and theory of term structure (spot discount, forward, and default probability curves) via study (Hull) and interviews (CDSes, CBs)
- Developed Python, Perl, and shell scripts to maintain legacy trading system (Imagine); quickly and cheerfully integrated into the global Imagine support team headed up out of NY.

- CREDIT SUISSE FIRST BOSTON** **London, England**
 Jan 2002 **Vice President**, *Global PrimeView™ application development manager - Securities IT*
 Hired, led and managed a global team of twenty-three (23) application developers servicing all external hedge fund users (1,400) and the internal business users (600) for the Prime Services division's Prime Brokerage group.
- Helped develop, execute, and articulate the Prime Brokerage IT group's strategic plan with all levels of the Firm's & the Division's front, middle, and back office management.
 - Managed a global capital expenditure portfolio of over five million dollars (\$5,000,000).
 - Re-engineered PrimeView, CSFB's strategic reporting website for the Prime Brokerage business, resulting in 100% growth in client usage.
- Feb 1999 **Assistant Vice President**, *Global Prime Brokerage Technology Lead - Business IT (Equity)*
 Headed a team of sixteen (16) Global Prime Brokerage Technology application developers; drove trading desk and client-facing systems development at both London and New York Prime Brokerage branches.
- CREDIT SUISSE FIRST BOSTON** **New York, NY**
 Sep 1997 **Developer**, *Equity Technology Department*
 Responsible for technical design and coding of the Prime Brokerage group's web portal, PrimeView; delivered using pioneering Java servlet technology in only three (3) months, producing the strategic tool for managing and reporting Prime Brokerage client portfolios.
- MORGAN STANLEY** **New York, NY**
 Summer 1996 to Aug 1997 **Consultant**, *Client Technology Department*
 Coding and delivery of the award-winning first and second versions of the firm-wide strategic client workstation and client application delivery bus: ClientLink™.
- Autumn 1995 **Intranet Developer**, *Morgan Stanley Global Services Division*
 Built Java- and Sybase-based application prototype that resulted in the allocation of resources to build an Internet-technology-based client workstation.

EDUCATION

- DARTMOUTH COLLEGE** **Hanover, NH**
 A.B., June 1997; major in Computer Science. Major GPA 3.7 (out of 4.0)
- Courses included Artificial Intelligence (AI), Combinatorics (Discrete Mathematics), Linear Programming

PERSONAL DETAILS

- Nationality* USA & UK Citizenship (may work anywhere in USA, EU/EEA/EFTA)
- Languages* German (highly proficient); French (beginner)
- Hobbies* Contributor, One Laptop Per Child (OLPC) / Sugar learning environment
 Contributor, Sun J2EE reference platform (Sun/Apache Tomcat v4.x CGI support)
 Division I ranking at topcoder.com
 Fedora Linux / Redhat Enterprise Linux enthusiast
 IEEE Member since 1999