

# Buzz Moschetti

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**Senior Information Technology Executive** with a career spanning established financial services industry and leading edge technology startups.

Successful project and staff manager with history of providing high-quality, cost-effective solutions.

Excellent communications skills targeting all sizes and types of audiences. Strong blend of expertise in financial markets, products, and processing and technology design and management. Experienced in business applications, investment management processes and operations, compliance issues, fixed income analytics, straight-through processes, and performance measurements. Extensive hands-on work in many contemporary technologies.

## **Credit Suisse Group AG**

**New York, NY**

**Oct 2018 – present**

*Head of Focused Advanced Solutions & Technology (FAST)*

*Sep 2020 - present*

Responsible for blockchain/distributed ledger technical strategy and implementation and CSLabs, the in-house center of excellence for AI/ML. Principal technical contact for Credit Suisse Digital Products business. In-depth work with Ethereum and Corda protocols, web3j frameworks, SPARK, and AWS and Azure CLIs

*Head of International Trading Solutions Technology, Global Markets*

*Oct 2018 – Sep 2020*

Responsible for global technical team of 1100 to deliver global macro and OTC trade management and Swiss-centric execution services solutions. Provided vision and design strategy for multi-asset/multi-region portfolio management for the joint Global Markets / International Wealth Management capital. Strong technical and organizational partner and contributor to firm-wide technology initiatives including DevSecOps, InnerSource, MongoDB, API management, and public cloud strategy. Restructured a struggling managed capacity & service deal to significantly improve quality of delivery and operational support. Improved reliability and shortened project delivery times while reducing headcount and other hard expenses.

## **Experimenter and Innovator**

**New York, NY**

**July 2017 – Oct 2018**

Experimenting in the startup space in bioinformatics, finance, and entertainment verticals using the latest crop of technologies including transaction-enabled MongoDB, Ethereum smartcontract on-/off-chain design and integration, semantic modeling, next-gen total asset platform management, true event-based service architectures, and everything-as-a-service architectures.

## **MongoDB**

**New York, NY**

**Nov 2013 – June 2017**

*Enterprise Architect & CTO of Partner Program*

North American presales, solutions design & implementation, and strategic positioning at the enterprise level for MongoDB, the #1 NoSQL database. Responsibilities include major financial services account presales, special systems integrator projects, and developing the ecosystem around MongoDB.

- **Hands-on development** using java, python, and javascript for a variety of use cases in many verticals including multiproduct risk, index construction and pricing, reference data, bioinformatics, electronic health & medical records, smart buildings, mapping and geocentric applications, and blockchain and semantic analysis
- **Data design mentor** for global presales team of 50
- **Frequent public presenter** at the webinar, industry panel, and large conference level
- **Championed and participated in product pricing model** for large scale as-a-service deployments and special infrastructures
- **Strategy & co-sell contact** for major partners including IBM, EMC, Tableau, Confluent, Mulesoft

**JPMorganChase & Co., Inc.**

**New York, NY**

**May 2008 – April 2013**

*Chief Architecture Officer, Investment Bank*

Responsible for enterprise business and technical architecture and important strategic and tactical design efforts for \$2.28B global IT group of 9000 development & support staff. Member of enterprise-wide Architecture Board guiding technology for Firmwide IT population of 34,000.

- **One of five technology direct reports to CIO** and responsible for organizing, prioritizing, and contributing to cross-tower (front office, back office, risk, infrastructure) efforts including risk, P&L, and position system rationalization, important tools leverage in software analysis and GUI development, collateral & margin management and optimization, and migration/integration of OTC trading and risk to the next-generation in-house Athena platform
- **Reformulated Architecture Office** starting in summer 2008 following Bear Stearns acquisition
  - **Aligned my staff to the most important business-oriented projects** in the portfolio including complete overhaul of backoffice core processing technology
  - **Made review of project proposals an up-front component of the SDLC** and organized a team to systematically triage hundreds of business cases per year
  - **Reduced headcount and budget by 90%** over the course of 24 months
- **Developed own charter** and created matrix reporting model involving approx. 50 leadership developers across all business areas
- **Crafted approach to Reference Data Consolidation** involving many major systems, designed a next-generation approach to scrubbing and overrides, and ultimately moved responsibility to a new manager hired for execution
- **Championed, designed, and personally helped implement full-fledged services** such as cross-asset post-execution trade API, dataset population and context management, and business exceptions management
- **Championed, designed, and personally helped implement richly-structured dynamic data SDK and persistence layer** that moved major platforms beyond the traditional complications of XML, JSON, other formats, and 1000 table relational databases and unsupportably long SQL statements.
- **Designer of progressive technology and data management solutions** including scalable, long-term, change-friendly persistence, stateless messaging and event-oriented architecture, no-firewall DMZ component (patent applied for), RDF and linked data, next-generation software/hardware/information footprint management, and future-proofed portal GUI frameworks.
- **Responsible for Quality and Development Practices program** begun in mid-2011 that achieved an independently measured 47% reduction in application defects in the critical applications portfolio over 14 months. Major contributor and innovator in this space to shape direction of firmwide reporting and strategic goals.
- **Responsible for Information Architecture team** that designs, catalogs, and provides onboarding services for logical and physical business models that touch essentially every system and together total nearly 6000 shapes.
- **Partner with HR in constructing sensible and targeted training, certification, award, and reward programs** and how they intersect with compensation and promotion. Responsible for advanced training and Distinguished Engineer selection process for the Investment Bank.
- **Member of both North American and European ED/VP Promotion and MD interranks committees**

**BEAR STEARNS & CO., INC.**

**New York, NY**

**Feb 2000 – May 2008**

*Chief Architecture Officer*

Responsible for enterprise architecture and important tactical design efforts for \$700M global IT group of 2000 FTE development & support staff. Oversight role for all projects in firm-wide technology portfolio. Team of 27 SMEs and associates provides leadership in technology stack standards and leading-edge solutions architecture, software design, information modeling, product R&D, and corporate information security for projects across all lines of business including equities, fixed income, clearance, derivatives, operations, asset management, private client services, and investment banking. Approx. 16 matrixed reports from senior architects in LOB-aligned (but IT managed) development groups.

- **Built Architecture Office from scratch** in early 2000 following major reorganization of IT department where head of fixed income structuring (FAST) was asked to become CIO and took me with him into IT to help build a new management team.
- **Developed own charter, metrics for success, communications program, and management reporting.**
- **Created, syndicated, and enforced standards for SOA, web services, messaging, middleware, workflow, programming languages, software leverage & reuse, configuration management, documentation, monitoring, and single-sign-on authentication.**
- **Built the SDLC (Solutions Development Lifecycle) management framework** used by entire firm to specify requirements, design, compliance with standards, and manage asset inventory.

- **Led all technology product R&D** including distributed caches, event correlation, ETL, profilers & development tools, and defensive and operational security components.
- **Created and led the Vendor Management program** to optimize use of technology, focus vendors on priorities, and properly size deals.
- **Championed and crafted extremely good ELA deals** with BEA (all products including WLRT), TIBCO (all products), Oracle, Gemstone, Ascential.
- **Designed and helped implement multi-asset high performance portfolio valuation solution** using 100% Java and employing the very latest technology such as very large (100GB memory) distributed caches running on 64bit platforms to replace an outdated and unsupported system built by consultants in the mid 1990's.
- **Managed a 30 member combined technology & business team for OTC Derivatives STP.** Designed, built, and deployed a large scale, multi-system integration and legacy data conversion project to bring together four OTC derivatives risk and structuring systems, two middle office systems for ticketing and confirmations, and a back office booking, collateral management, and deal processing system. 4X reduction in input significantly reduced breaks, freed staff to manage higher-margin products, and enabled a 300% increase in the volume of vanilla contracts created.
- **Managed an 8 member team to design, build, and deploy BondStudio,** the next-generation bond portfolio valuation application. Leveraged SOA and internet/security-aware architecture from my earlier work to rapidly create and deliver the application. BondStudio is deployed to dozens of our best customers and is an integral part of the fixed income business that has had five consecutive years of record earnings and generates 30% of the firm's \$9.1B net income.
- **Speaker at SIA Conference, DWT, investment professional consortiums, and other venues** on strategies to adopt emerging technology, security, and information architecture.
- **Profiled by Waters Magazine** for accomplishments in setting standards, vision, and building partnerships across lines of business.

**BEAR STEARNS & CO., INC.**

**New York, NY**

**1992 - 2000**

*Director of Technology, FAST (Fixed Income Dept.)*

Responsible for FAST (Financial Analytics and Structured Transactions) group architecture standards and design and development of major applications in \$1B net revenue department. Ensured innovation in technology matched pace of business innovation to secure Bear Stearns as #1 ranked mortgage-backed securities sales and trading unit.

- **Recruited by head of FAST** from other development unit and began a 20 year career working with him
- **Designed, Built, and Supported HYDRA,** the industry-leading bond portfolio valuation and analysis platform, with a team of approx. ten. HYDRA is a multi-application, n-tiered architecture written in C/Unix/Motif and was SOA/internet/messaging capable from day one.
- **Gave HYDRA product demos and assisted buy-side customers** both on- and offsite.
- **Managed department-wide Y2K certification**
- **Developed a leveraging architecture for perl** to RAD-enable all C and C++ library components.
- **Initiated and authored the first revision of the Perl DBD/DBI modules,** then and to this day the most popular and important modules in the global perl programming community.
- **Led product R&D efforts**

**BEAR STEARNS & CO., INC.**

**New York, NY**

**1988 - 1992**

*Programmer, Fixed Income Dept.*

Programmer and Manager for a variety of projects in the trade capture and operations space.

- **Designed, Built, and Managed Spitfire,** a C/Unix based distributed system for trade capture, financing, and settlement. Responsible for staffing the development team, technical and business analysis, system architecture design, and standards documentation and enforcement.
- **Delivered a Mortgage Allocations Tail Profit Optimizer** that paid for its development within two months and generated \$10M net profit per year.
- **Worked on fixed income trade booking and repo systems** and made them generic for sale on an ASP basis to several large customers.

**SALOMON BROTHERS INC.**  
*Business Systems Analyst*

**New York, NY**

**1986 - 1988**

Application Design Leader and project coordinator for automating Salomon Brothers Realty Corp. operations. Responsibilities included all staff training, design of database engine interfacing, system utilities, program development tools, and applications coding for the IBM RT/AIX operating environment with an emphasis on portability across UNIX platforms.

- **Created the first PC-based system for price/yield analysis and mortgage delinquency management** by bringing dBASE III together with a PC-compiled version of the mortgage group's FORTRAN CALCLIB. Distributed the solution to 12 analysts and reduced group time to perform morning portfolio valuation from 3 hours to approx. 15 minutes with dramatically fewer errors.
- **Participated in the firm-wide investigation and development of workstation/mainframe data resource sharing.**
- **Standardized documentation production** using PostScript and emacs.

Industry Certifications: Passed CFA I exam, June 1993; Series 7 & 63, 1999

Education: MASSACHUSETTS INSTITUTE OF TECHNOLOGY, B.S., June 1986

Interests Scuba diving, performance driving & automobilia, and playing and recording original music