

## INTRODUCTION

I have had a successful career to date leading productive technology teams solving complex business problems – architecting, building, and owning high quality innovative solutions. I am a passionate, motivating, and practical leader with a healthy level of scepticism. I use technology drive change and materialise efficiency and/or profitability – this relationship is an important motivation.

My career has a solid foundation as a hands-on server-side engineer, I continue to code casually in my spare time to develop and maintain practical technical skills.

## RECENT WORK HISTORY

### INDEPENDENT CONSULTANT

Nov 2015 –

I am currently working independently engaged on a consultancy basis – drawing on my wide-ranging experience to drive technical strategy – leading technology teams and influencing business processes accordingly. I am working with 2 clients on a part-time basis (~16 hours per week each) – this has supported a work life balance that has allowed time to care for and spend time with my young child (and dog). I am now looking to return to a full-time position.

#### **Tru Technologies (South Korea – remote) Securities Lending FinTech Start-up**

Apr 2019 –

Tru provides cloud-based SaaS solutions to the Asian Securities Lending market. I am hands-on and provide domain knowledge expertise, facilitating communication between the CEO and CTO on all things from business strategy to product design, to the low-level technical implementation.

- I am a product owner and subject matter expert/business analyst – defining requirements/setting priorities/story writing etc.
- I am a solution architect for data and external APIs – strategy and design, modelling, persistence, replication, and reporting etc.
- AWS hosted peer to peer architecture with Lambda/DynamoDB/Redshift/Cognito etc.

#### **ABN Amro Clearing Bank (Amsterdam) Securities Financing Product Development**

Nov 2015 – Apr 2021

Initially on a full-time basis, recently I have negotiated the effort required to meet responsibilities and deliverables in line with expected timescales accordingly.

ABN Amro Clearing Bank embarked on an initiative to set up a securities financing business in 2014, previously delegating shorts coverage and financing services to its parent, ABN Amro Bank.

- I am directly accountable to the head of Treasury. I am responsible for technical strategy.
- Implementation of a vendor product – installation and integration.
  - Setup of the vendor system with consideration for business and technical concerns.
  - Setup of business processes similarly.
  - All things concerned with the delivery of outsourced tactical proprietary developments with outsourced resources, from business analysis to technical implementation.
  - Hands-on design and data modelling of integration API.
- Adoption of Agile (scrum) project management. Coaching regarding the formal agile process, but perhaps more pertinently, influential in nurturing the necessary culture evolution.
- Set-up of a proprietary development team from inception. An undertaking not to be underestimated considering the starting place – Python development team with disciplined DevOps.
- Designed strategy for transaction reporting propagation to a big data platform (Hadoop/Parquet/Kafka).
- Design and leadership of strategic replacements for the tactical proprietary developments by new development team utilising the big data platform.

## PERTINENT WORK HISTORY

### MORGAN STANLEY

Jul 2006 – May 2013

My responsibilities during my career at MS can be distinctly defined between my time in London and Hong Kong.

#### **Business Resource Management Technology Executive Director – Head of APAC (Hong Kong)**

Jul 2010 to May 2013

As head of the APAC, I was responsible and accountable for the relationship with the respective heads of businesses in the region. Often a challenging role due to the remote nature and unique business environment in the region. I was rewarded with autonomy that extended from recruitment and resourcing to project prioritisation/management, implementation design and technology choices.

- Regional line manager for 12+ resources including Java/.NET engineers and business and support analysts. I successfully managed an almost entire turnover of the HK team whilst maintaining a high level of service to the business function.
- Remaining hands-on, I architected and personally developed a complete rewrite of the automated and critical equity shorts coverage allocation/trading system in Java – 10k automated securities lending allocations/trades per day worth USD 1bn.
- I lead the business analysis and delivery of localised solutions for the APAC region relating to the highly regulated and constrained markets in the region.

#### **Securities Financing Technology Vice President – Head of Global Inventory (London)**

Jul 2006 to Jul 2010

I was hired by MS to lead the effort to renovate Morgan Stanley's equity inventory management system.

- From project initiation, architected and project managed the delivery of a global mission-critical high availability solution, delivering live equity position data to the securities lending trading function.
- Lead a team of for up to 8 local Java engineering resources.
- Traditional server-side Java tiered architectures with XML based REST and asynchronous messaging (MQ) with RDBMS technologies (Sybase) on proprietary infrastructure.

## COMPLETE WORK HISTORY

### **Independent Consultant**

Jul 2006 to Jul 2010

*As above.*

#### **Credit Suisse (London) Securities Lending Technology Consultant – Solution Architect**

Aug 2014 to Oct 2015

- Responsibility for technology systems concerned with automated shorts coverage and balance sheet efficiencies – delivery of a prime financing wide initiative with a fixed deadline.
- Responsibility for negotiation and architecture of a solution that was workable in the available timeframe to deliver on business priorities.
- Team of 12 developers with 2 development managers – permanent, consultant and contract resources based in London, Mumbai, Pune and New York.

**Extended Holiday**

May 2013 to Aug 2014

- Travelling and perusing other personal interests.

**Morgan Stanley (London/Hong Kong)**

Jul 2006 to May 2013

*As above.*

**Lehman Brothers (London)**

Mar 2005 to Jul 2006

**Credit Derivatives Technology**

**Asst. Vice President – Developer**

- Sales/trader credit default swaps trade flow matching and validation engine for STP and real-time risk.
- A traditional server-side Java tiered architecture with XML based REST and asynchronous messaging (Tibco) with RDBMS technologies (Sybase) on proprietary infrastructure.

**Extended Holiday**

Oct 2004 to Mar 2005

- Travelling.

**Deutsche Bank (London)**

Aug 2002 to Oct 2004

**Derivatives Technology**

**Asst. Vice President – Developer**

- Reference services for derivatives technology group – data retrieval/consolidation/distribution.
- Weblogic hosted server-side Java tiered with XML based REST and asynchronous messaging (Tibco RV) with RDBMS technologies (Sybase) on proprietary infrastructure.

**Deutsche Bank (London)**

Apr 1998 to Aug 2002

**Derivatives Technology**

**Consultant – Developer**

- Excel based risk analytics for Emerging Markets options trading desk (Greeks).