

# Jonathan Stock

Senior Technical Lead at HSBC Global Banking and Markets

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## Summary

Senior Analyst Programmer experienced in multiple programming languages, databases and operating systems having worked in Banking, Newspaper, Advertising, Publishing and Retail sectors.

Striving to broaden my Sales, Research and Money Markets Front Office Banking IT knowledge into other challenging areas.

Specialties: Java (Client and Server side), Swing, Spring Framework, SOAP and RESTful Web Services, C++, C#, VB, .NET, Ruby, Python, SQL Server, Sybase, Oracle, Agile, TDD, CI.

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## Experience

### **Senior Technical Lead, Global Research IT at HSBC Global Banking and Markets**

April 2015 - Present

Tech Lead for Global Research on Desktop and Economics projects. Developed Word, Excel and Powerpoint AddIns for these projects using C# .NET and VBA. Also worked on the Java Web Services using Spring which the AddIns request data from. Admin pages written in Struts and Angular2 JS. Consulted with Analysts and Economists to clarify requirements. Agile (Kanban) approach to development with daily standups, Test Driven Development and Pair Programming. Consistently delivered high quality solutions in a dynamic environment with production releases approximately every 2 weeks.

Keywords:

Java; J2EE; Spring; Javascript; C# .NET; VBA; Excel AddIns; Word AddIns; WebSphere Application Server; Tomcat; SQL Server; Sybase; Oracle; Agile; Kanban; TDD; XP; Continuous Integration; Maven; Windows; Linux; Subversion; Javascript; Struts; Angular2 JS

### **Senior Analyst Programmer, FICC Rates IT at Barclays Investment Bank**

March 2013 - April 2015 (2 years 2 months)

Tech Lead for BARX MM projects including BARX MM External Relaunch, Book Switching, Trading On Behalf and Sales Trading On Behalf Of. Also fixed production defects in BARX MM and handled their release. Held daily meetings with developers in Kiev and testers in Pune. Also involved in Monet->TCW Migration project which was part of the Monet Decommissioning programme. Onboarded internal users onto BARX MM so they could enter trades themselves rather than emailing Trade Execution Services to do it for them. Client-side development was Java (Swing) and Server-side development was C++ on Linux for BARX and on Windows for Monet.

Keywords:

Java; Swing; C++; C# .NET; Visual Basic; Python; Perl; WebSphere MQ; SQL Server; Oracle; Continuous Integration; Ant; Maven; Windows; Linux; Rational ClearCase; Perforce

### **Senior Analyst Programmer, Global Research IT at HSBC IB**

July 2010 - March 2013 (2 years 9 months)

Created Java Web Services to provide centralised access to data held in Oracle, Sybase and SQL Server databases making use of Axis and Spring Framework. Developed front-ends for the Global Research web site using JSP, XSLT, HTML, JavaScript, AJAX and CSS. Created an Excel AddIn using C# to be used by Analysts and Economists to extract draft and live data into their backsheets and reports. Moved from a traditional top-down waterfall approach to software development to an Agile approach with 10 day Sprints, daily Scrums, Test Driven Development and Pair Programming. Consistently delivered high quality solutions in a dynamic environment.

Keywords:

Java; J2EE; Spring; Hibernate; Javascript; C# .NET; Excel AddIns; Web Services; WebSphere Application Server; SQL Server; Sybase; Oracle; Agile; Scrum; TDD; XP; Continuous Integration; Windows; Linux; Subversion; GitHub

### **Senior Analyst Programmer, Money Markets IT at Barclays Capital**

June 2007 - July 2010 (3 years 2 months)

Recruited to port existing Monet Trade Capture application from VB and C# to Java and Swing using JNI to call middle-tier COM objects coded in Visual C++ which made use of MSMQ to reliably deliver messages between systems. Gathered requirements and feedback from the traders directly. Mentored novice and junior developers in the use of Java and Swing and helped to make changes to the Money Markets screens and functionality within BARX. Configured Cruise Control to automatically build C++, C#, VB and Java components to help simplify the build and release process. Held daily meetings with the testers who were based in Singapore.

Keywords:

Java; Swing; Visual C++; C# .NET; Visual Basic; COM, MSMQ, SQL Server; Sybase; Oracle; Scrum; Continuous Integration; Windows; Linux; Rational ClearCase

### **IT Application Developer, Sales and Research IT at WestLB AG**

September 2005 - June 2007 (1 year 10 months)

Joined WestLB to handle the Java development of a multi-tier architecture application used by the Sales department to log their contact with clients, manage invitations to Roadshows and meetings, and produce PDF documents to be sent out to their contacts. Assisted in the redeveloping of the bank's Equity Research distribution platform in C# .NET and migrating the database from Sybase to SQL Server. Gained valuable

Front Office experience in the Sales and Research areas of Investment Banking. Java and Swing for the front-end and server side Java on JBoss Application Server.

Keywords:

Java; Swing; Applets; J2EE; Servlets; JBoss Application Server; SQL Server; Sybase; Oracle; Windows; CVS; Visual SourceSafe

### **Senior Software Engineer**

December 2001 - September 2005 (3 years 10 months)

IPA purchased the rights to the Workflow Management Software from Engage and brought me in to handle the on-going development of the product. Java and Swing for the front-end and server-side Visual C++. Also worked on porting a legacy Mac OS application to Mac OS X in Objective-C.

Keywords:

Java; Swing; Visual C++; SQL Server; Objective-C; Windows; Mac OS; Visual SourceSafe; Perforce

### **Software Engineer / Team Leader / Development Manager**

August 1996 - December 2001 (5 years 5 months)

Moved through the ranks at MidSystem up to Development Manager before it merged with another company to become MediaBridge and then taken over by Engage. Responsible for a team of 5 developers bringing a Workflow Management System product from concept right through to release where it was well received and was sold into various newspaper group and publishing clients. Java and Swing for the front-end and server-side Visual C++.

Keywords:

Java; Swing; Visual C++; SQL Server; Sybase; Oracle; Windows; Mac OS; Solaris; Visual SourceSafe; Rational ClearCase

### **Systems Programmer**

September 1995 - August 1996 (1 year)

Joined RTC as part of the graduate intake developing bespoke front and back-office software used by retail clients including Mothercare, House of Fraser and Russell & Bromley. Microsoft C for the front-end and Borland Turbo Pascal for the back-end.

Keywords:

Microsoft C; Turbo Pascal; MS-DOS; Visual C++; Windows; Solaris; PVCS; RCS

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## **Education**

**The University of Birmingham, West Midlands, United Kingdom**

BSc. Joint Honours, Mathematics and Computer Science, 1992 - 1995

**Wollaston School, Northamptonshire, United Kingdom**

3 'A' Levels (Maths, Physics, History); 10 GCSEs, 1985 - 1992

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