

# Francis Martin McCallion

(Known as Martin)

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For more details please see my profile at [Stack Overflow](#) or [LinkedIn](#)

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## Profile

Programmer and software engineer in banking software. Languages and technologies include **Java**, **SQL**, **JDBC**, **JSPs**, **Struts**, **JavaScript**, **HTML** and **CSS**. Also **IBM midrange** languages: **RPG** and **CL**. Some familiarity with **Python** and **C**.

Have been using **agile** techniques for around three years, and added **scrum mastering** for the last two. Experience as an **architect**, and of **mentoring** less experienced members of staff.

Experience with various **databases** (**Oracle**, **DB2**, **SQL Server**), and **Liquibase** for managing schemas.

**WebSphere Application Server**. **WebSphere MQ**.

Development tools: **CVS**, **SVN**, some **Git**; **Ant**; continuous delivery using **Jenkins/Hudson**; **Jira** and **Confluence**.

Unit testing: **JUnit**, some **Selenium**.

**Shell scripting** using **Bash** on **Linux** and in **Cygwin**; Windows batch files.

Writing comprehensive and clear **documentation**. Reasonable presentation skills.

# Career history

## January 2011 – present: Senior Software Engineer at **Misys**, One Kingdom Street, Paddington, London W2 6BL

Senior developer and scrum master working on **Payment Manager/Message Manager**, Misys's **JEE** web application for viewing and manipulating financial messages. Worked on all parts of the product, from the **database** right up to the **GUI**. As we make most architectural decisions collaboratively, have helped to guide the direction of the product.

Recently took responsibility for modernising the way we manage our database, going from four sets of scripts (for **DB2 LUW**, **DB2 for System i**, **Oracle** and **Microsoft SQL Server**) to a single set using the **Liquibase** open-source tool. Wrote comprehensive in-house and customer-facing documentation on our use of the tool; wrote and gave a presentation on its use; and mentored other team members as they became familiar with it.

Worked on modernising the front end using a **Twitter Bootstrap**-derived layout.

## January 1999 – December 2010: Senior Software Engineer at **Misys**

Senior Java development and support engineer working on Meridian, Misys's message-based middleware product, which provides mapping and routing of messages between disparate systems, such as databases, **JMS** queues, TCP/IP sockets, and flat files.

Among many other things, I wrote the product's email adaptor, using the **JavaMail** API.

Also had (and retain) responsibility for Meridian Replication, which automatically extracts data from any DB2 for System i schema. This is written in a combination of **RPG**, **CL** and **C** on the **System i** (formerly **iSeries** and **AS/400**).

## January 1997 – December 1999: Senior Software Engineer at **Misys**

Senior developer on the Midas **APIs** project.

The Midas APIs allowed Misys's major international banking product to accept data from external sources.

First developer on this project, seeing the product through to delivery.  
Designed and wrote major sections of the software infrastructure.  
Championed the use of **RPG IV** and **ILE** techniques, including **Service Programs**.  
This enabled a modular structure to be used, giving ease of maintenance and allowing a high degree of code reuse.

### **January 1992 – December 1997: Software Engineer at Midas Kapiti International, 1 St George's Road, Wimbledon, London SW19 4DR**

Collection Manager in the Midas Core Management Team.

Oversaw the delivery of all developments into the core Midas product.  
Created utilities to automate the tasks involved, and documented the procedures.  
Such documentation became part of the company's ISO 9001 document set.

Established the Core Management team as a centre of expertise in all aspects of AS/400 development and systems administration.

Subsequently added responsibility for the Global Manager/Risk Vision product.  
This is a client/server Risk Management product based on Unix systems and PCs.

Learned about managing **Unix** systems, **Sybase** and **SQL**, as well as **TCP/IP** and **Ethernet** networking. Had technical responsibility for the hardware and software setup at a number of client demonstrations.

### **1991 – 1992: Senior Programmer/Software Engineer at BIS Banking Systems, 1 St George's Road, Wimbledon, London SW19 4DR**

Developer in the Midas Product Centre: development and support work on the Midas Dealing module.

### **1989 – 1991: Junior Programmer/Programmer at BIS Banking Systems**

Support and bespoke development in a department dealing with major clients.  
Worked on various development and support tasks for clients, including extensive periods based on clients' sites

### **August 1987 – 1989: Trainee Programmer/Junior Programmer at BIS Banking Systems**

Programming in a bespoke development department. Two months initial training course in RPG and System/38, as well as Midas. Then a wide variety of development and support tasks.

## **Voluntary**

I maintain the website and other online presence for the British Science Fiction Association (BSFA), a non-profit organisation for SF enthusiasts. <http://bsfa.co.uk/>.

## **Education**

Diploma in Literature and Creative Writing from the Open University.

BSc in Physics with Honours (third class) from the University of Edinburgh.

## **Other interests**

Writing (fiction and blogging), reading, music, films.

## **References**

Available on request.