

# Martin McCallion

Senior Java Developer  
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## Profile

Senior software engineer with expertise 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 working in **agile** teams for around three years, and have been **scrum mastering** alongside development work 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**, and presenting to an international team.

## Career history

*Contract: Senior Developer at UniCredit; August 2016 – May 2017*

Supporting the implementation of Misys Payment Manager (MPM) and developing add-ons for it. Helped to get MPM installed in one part of the bank's business, while developing add-on functionality (in Java) for it. Drove a project to install it in another part of the business, along with the opening of a new branch in a new territory. Developed some utilities to aid in the deployment of projects to their WebSphere environment (in Python). Introduced version control (using Subversion) to the project.

*Senior Software Engineer at Misys; 2011 – June 2016*

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**. Key contributor to architectural decisions on the direction of the products.

Recently modernised the process of managing customer database schemas, 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 the use of the tool; wrote and gave a presentation on its use; and mentored other team members as they became familiar with it. This all resulted in both an improved development process, and easier installation for clients.

Created a proof of concept for a new version of the user interface using a **Twitter Bootstrap**-derived layout, which showed that the UI could be modernised.

Also maintained 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**). Recently transferred this responsibility to an overseas team, which included writing training material and presenting it remotely to people who were unfamiliar with the product.

### *Senior Software Engineer at Misys; 1999 – 2010*

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.

Wrote many features for the product, including its email adaptor, using the **JavaMail** API.

### *Senior Software Engineer at Misys; 1997 – 1999*

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.

### *Software Engineer at Midas Kapiti International; 1992 – 1997*

Code overseer in the Midas Core Management Team. Managed 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.

### *Prior Experience*

Various development and support roles with BIS Banking Systems, working on Midas. Started as a trainee programmer and rose to software engineer.

## Education and Training

BSc (Hons) Physics – University of Edinburgh

Diploma in Literature and Creative Writing – Open University.

Various professional training courses, including Java, EJBs, project management, agile development with Scrum.

## **Voluntary**

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/>.

## **Other interests**

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