

# Curriculum Vitae

## Michael Kay PhD FBCS

Michael Kay is widely known in the XML world as an expert on the XML processing languages XSLT and XQuery. This reputation derives from his book *XSLT Programmer's Reference*, from the open-source Saxon XSLT and XQuery processor which he developed, and from his work within the W3C consortium as a member of the XSLT and XQuery working groups, and as editor of several of the specifications. His expertise in the field was recognized in 2005 when he was awarded the XML Cup, an annual international award made to individuals who have made outstanding contributions to the XML Community.

Before moving into the XML field in 1998, Michael Kay specialized in database and information management technology. He designed a series of successful software products for the computer manufacturer ICL, and was one of the company's most senior engineers advising the company and its customers on technology strategy.

Michael Kay is a member of the XML Guild, a loose federation of leading independent XML consultants who pool knowledge and experience to tackle the most challenging XML-related problems.

### Personal Details

Name	Michael Howard Kay
Address	52 Matlock Road, Caversham Heights, Reading, Berks, UK. RG4 7BS
Phone	+44 118 948 3589
Email	mhk@mhk.me.uk
Date of Birth	1951-10-11
Nationality	British (born in Germany)
Languages	English, German, some French

### Career Summary

Feb 2004 – present	Director, Saxonica Limited <ul style="list-style-type: none"><li><input type="checkbox"/> Development and Marketing of commercial Saxon-SA product</li><li><input type="checkbox"/> Ongoing development of open source Saxon-B product</li><li><input type="checkbox"/> Independent Consultant</li><li><input type="checkbox"/> Conference speaker</li><li><input type="checkbox"/> Invited expert on W3C XSLT and XQuery Working Groups</li></ul>
Feb 2001 – Feb 2004	Systems Architect, Software AG

- ❑ Representative on W3C XSLT and XQuery Working Groups; editor of XSLT 2.0 specification
  - ❑ Frequent conference speaker
  - ❑ Consultant to design teams for Tamino and other XML-based products
- 1977–2000      Employed by ICL (International Computers Limited, now part of Fujitsu)
  - ❑ 1977-1983 Designer of Mainframe Codasyl database product
  - ❑ 1984-1986 Designer of text retrieval software product
  - ❑ 1986-1990 Design coordination on relational database and office automation product lines
  - ❑ From 1987: ICL Fellow, responsible for strategic development of the company's technical capability
  - ❑ 1990-1994 ICL Company Architect for Information Management. Led research project on object databases
  - ❑ 1995-1998 Consultant to Fujitsu Laboratories, Tokyo, on the Object Database project Jasmine
  - ❑ 1998-2000 Member of the technical strategy group for multimedia solutions and services
- 1975–1976      Programming jobs with Plessey Telecommunications and Sperry Univac
- 1969–1975      BA (1st class) and Ph.D in Computer Science, University of Cambridge

## Recent Achievements

- ❑ Completion of XSLT 2.0 and XPath 2.0 Programmer's Reference books for Wiley
- ❑ XSLT 2.0 has reached the status of a W3C Candidate Recommendation
- ❑ Completion of Saxon-SA, the first schema-aware XSLT and XQuery processor
- ❑ Delivery of a series of articles on XML topics on the Stylus Studio website

## Recent Consultancy Assignments

- ❑ Regular review and mentoring of projects using XSLT, XQuery, Tamino, and Orbeon at an international manufacturer based in Livingston, Scotland
- ❑ Consultancy on Schema Design for Enterprise Application Integration with the central architecture team of an investment bank based in Paris, France
- ❑ Application design, and staff training and mentoring, for an XQuery-based application in an investment bank based in London, England and Glasgow, Scotland
- ❑ Performance tuning of Saxon applications for a developer of manufacturing software in Nottingham, England, and for a specialist software company in Texas, USA

## Key Career Achievements

- ❑ The IDMSX software for which I was responsible at the start of my career remained a key revenue source for ICL for 20 years

- ❑ As an ICL Fellow I helped to steer a 5-year programme to refocus ICL's 4000-strong engineering workforce on the needs of the IT services business
- ❑ I have written a number of substantial books and manuals (on XSLT, Jasmine, IDMSX, etc) and many shorter articles that were highly appreciated by their readers and provided practical education, not just product information
- ❑ The Saxon software which I wrote single-handedly has had 200,000 downloads and is recognized as one of the leading implementations of XSLT and XQuery
- ❑ The XSLT 2.0 specification, which I edit, is regarded as one of the best technical specifications to emerge from W3C

## Skills

- ❑ XML, XSLT, XQuery, XML Schema, Java
- ❑ Technical writing, training and lecturing
- ❑ Systems and application architecture
- ❑ Database technology including XML, object-oriented, and relational
- ❑ Software engineering processes