
CURRICULUM VITAE

Anthony Bruce Otton Coates
XML Architect

PERSONAL

Nationality: Australian

Home Phone No: +44 (20) 7237 1096

Mobile Phone No: +44 (79) 0543 9026

Home Email Address: abcoates@TheOffice.net

Home Address: 3 Marden Square
Bermondsey SE16 2HZ
United Kingdom

EMPLOYMENT AND EXPERIENCE

2000-2002 Leader of XML Architecture & Design
 Chief Technology Office
 Reuters Plc
 London, United Kingdom

Initially responsible for providing XML consulting to Reuters business and development staff worldwide. Later work focussed on defining a global data architecture (including XML) for Reuters, covering both internal & external requirements, and defining an integrated search architecture. Activities also included:

- Representing Reuters on financial XML standards bodies (MDDL [<http://www.mddl.org/>], FpML [<http://www.fpml.org/>], IRML);
- Assessing XML technology companies under consideration for investment by Reuters venture capital group;
- Evaluating 3rd party software, and educating vendors on what their products would need to do in order to be suitable for Reuters;
- Overseeing technical production of Reuters financial statements in XBRL [<http://www.xbrl.org/>] (Reuters was the 1st company in the world to publish full year results [<http://about.reuters.com/results/2001-pr/html/xbrl.asp>] in XBRL);
- Overseeing development of Reuters/Bridge MDDL demo [<http://about.reuters.com/mddldemo>];
- Being interviewed by the press on behalf of Reuters;

- Attending and presenting at conferences;
- Approving the content of XML courses for staff.

1998-2000	<p>Software Engineer Equity Systems Pty Ltd Sydney, Australia (subsidiary of Reuters)</p> <p>Developed the Lite Graphics Object (LGO), a financial graphics solution implemented using JavaBeans. Involved architecturally re-engineering an initial prototype to improve usability and maintainability. Achieved without significant disruption to other developers working simultaneously on same code base. LGO 1.0 delivered 2 weeks ahead of schedule.</p> <p>Designed & implemented an XML mechanism for managing display options for charts, and an XML system for producing user guides.</p>
1996-1998	<p>Multimedia Developer Educational Multimedia Services The University of Queensland Brisbane, Australia</p> <p>Developed database-driven Web and CD-ROM packages, creating immersive environments that focus attention on users as active participants, instead of leaving them as a passive spectators. Concentrated on improving professional skills in producing robust code, delivered on-time and within budget.</p>
1994-1996	<p>Tutor Department of Physics The University of Queensland Brisbane, Australia</p>
1993	<p>Postdoc with Prof. G.Grynberg Laboratoire de Spectroscopie Hertzienne de l'ENS Universite Pierre et Marie Curie Paris, France</p>
1992	<p>Tutor Department of Mathematics Queensland University of Technology Brisbane, Australia</p>
1991	<p>Postdoc with Prof. C.O.Weiss Physikalisch-Technische Bundesanstalt (German Standards Institute) Braunschweig, Germany</p>
1986-1990 1992	<p>Tutorial Assistant Department of Physics The University of Queensland Brisbane, Australia</p>

COMPUTING EXPERIENCE

XML:	XML, XSLT, W3C XML Schema, DTD, XSLFO, Semantic Web
Languages:	Java, C/C++, JavaScript, NetRexx, Rexx, Python, Lingo, Visual Basic, Modula-2, (Turbo)Pascal, FORTRAN, Lisp, Perl (limited experience with Smalltalk, Scheme, Prolog, and Occam)
UML:	Rational Rose, Microsoft Visio Enterprise, ArgoUML/Poseidon
Document Production:	HTML/SGML, Acrobat, Microsoft Word (Windows/Mac), StarOffice, LaTeX2e/LaTeX/TeX
Databases:	SQL Server 2000, Microsoft Access/JET, JDBC/ODBC
Spreadsheets/Math:	Microsoft Excel, Matlab, Maple, Mathematica, Reduce
Multimedia:	Director/Shockwave/Xtras, Flash, HTML/CGI/Servlets, Sound Forge, Authorware
Graphics:	Macromedia: Fireworks, xRes, FreeHand, Extreme 3D; Adobe: Photoshop, Illustrator; Visio; CorelDraw; GIMP
Operating Systems:	Windows 2000/NT/98/95/3.1, Linux/Solaris/Unix, OS/2, Macintosh, PC-DOS(MS-DOS), VAX/VMS, NOS/VE (Cyber)
Computing Machinery:	PC compatibles; Macintosh; SUN Sparc; DEC AXP (Alpha); IBM SP2 (RS/6000); HP9000/7xx; Apollo 3500, 10000; VAX 750,780; Cyber 2000

EDUCATION

1986-1990	Ph.D. studies in waveguide theory (unfinished)
1992	The University of Queensland
1994-1999	Brisbane, Australia
	Thesis entitled "Propagating Modes For Rectangular Waveguides Loaded With Dielectric Blocks".
	The thesis required the creation of over a quarter of a million lines of C++ code, much of it produced automatically from symbolic expressions using a custom parser developed in Java. To limit memory usage, the machine-generated C++ code was subsequently replaced using a custom auto-generated stack machine that read byte-code instructions. Even on a PC with >64M RAM, the stack-machine implementation was significantly faster.

“Making Your Code Readable and Maintainable — With XML & XSLT”

XML DevCon Europe

London, United Kingdom

February 2001

<http://about.reuters.com/researchandstandards/events/2001/02/xml-devcon-europe-xml-doc/>

“Publishing Your Stuff With NewsML”

XML DevCon Europe

London, United Kingdom

February 2001

<http://about.reuters.com/researchandstandards/events/2001/02/xml-devcon-europe-newsml/>

“How XML is Changing Business & Why You Need to Know”

BIT€ 2000 (e-Bank Internet Technology Europe)

Gleneagles, Scotland, United Kingdom

November 2000

<http://about.reuters.com/researchandstandards/events/2000/11/bite/seminar.htm>

“The What, Why, and How of XML”

Presentation for Open Interchange Consortium

Sydney, Australia

March 2000

<http://oic.org/3a4a5.htm>

“Java in Your Palm: the KVM and Spotless”

Presentation for NSW chapter of Australian Java Users Group

Sydney, Australia

October 1999

<http://www.ajug.org.au/sjug/pres/1999/KVM/seminar.html>

“Java and XML”

Presentation for NSW chapter of Australian Java Users Group

Sydney, Australia

March 1999

<http://www.ajug.org.au/sjug/pres/1999/xml/JavaAndXML/seminar.html>

“Creating Java with Director and Flash”

Presentation for QLD Macromedia Users' Group

Brisbane, Australia

June 1998

“XML and Literate Programming”

Reserve presentation for XML Developers Day

WWW7 conference

Brisbane, Australia

April 1998

(not presented)

“Better Java By Design”

Presentation for QLD chapter of the Australian Java Users' Group

Brisbane, Australia

June 1997

“Crystallography of Optical Lattices”

K.I.Petsas, A.B.Coates, and G.Grynberg

Phys.Rev.A 50(5173)1994 No.6 December pp. 5173-5189

“Dynamical Transverse Laser Patterns I. Theory”

M.Brambilla, M.Cattaneo, L.A.Lugiato, R.Pirovano, F.Prati, A.J.Kent, G.-L.Oppo,

A.B.Coates, C.O.Weiss, C.Green, E.J.D'Angelo, and J.R.Tredicce

Phys.Rev.A, 49(1427)1994 No.2 February pp. 1427-1451

“Dynamical Transverse Laser Patterns II. Experiments”

A.B.Coates, C.O.Weiss, C.Green, E.J.D'Angelo, J.R.Tredicce, M.Brambilla, M.Cattaneo,

L.A.Lugiato, R.Pirovano, F.Prati, A.J.Kent, and G.-L.Oppo

Phys.Rev.A, 49(1452)1994, No.2 February pp. 1452-1466

ACTIVITIES

Editor, MDDL [<http://www.mddl.org/>] 1.0 & 2.0 specifications (Market Data Definition Language)
2001-2002

Author, RFC 3085 [<http://rfc.net/rfc3085.html>], “URN Namespace for NewsML Resources”
2001

Architecture Thread Leader, FpML [<http://www.fpml.org/>] 2.0 Business Messaging and Architecture Working Group
2001

National Secretary, Australian Java Users Group [<http://www.ajug.org.au/>]
2000-2001

Committee, Australian Java Users Group (NSW Chapter)
1999-2000

Committee, Australian Java Users Group (QLD Chapter)
1997-1998

Administrator, "xml-litprog-l" mailing list
1998-present
<http://groups.yahoo.com/group/xml-litprog-l/>

Committee, Queensland Macromedia Users Group
1998

REFEREES

Simon Watts

Senior Architect
Chief Architecture Office
Reuters Plc
London, United Kingdom
Tel.: +44 (20) 7542 8883
Email: simon.watts@reuters.com

Simon is Reuters Information Architect. He is responsible for Reuters global data model, on which we both worked. He was my functional manager at Reuters in 2001 & 2002.

James Hartley

Senior Architect
Chief Architecture Office
Reuters Ltd
Denver, United States of America
Tel.: +1 (303) 603 8304
Email: james.hartley@reuters.com

James was the XML specialist at Bridge before Reuters bought Bridge. He is the other editor of the MDDL specification (Market Data Definition Language).

Mike Atkin

Vice President
Financial Information Services Division
Software & Information Industry Association
New York City, United States of America
Tel.: +1 (202) 789 4450
Email: matkin@siia.net

Mike is responsible for MDDL within its sponsor organisation, the SIIA.

Trevor Bartlett

Senior Design Manager
Laser Project
Reuters Plc
London, United Kingdom
Tel.: +44 (20) 7542 7190
Email: trevor.bartlett@reuters.com

Trevor was my line manager at Reuters during 2002.

Justin Abel

Head of Asian Development
Business Technology Group
Reuters Plc
Sydney, Australia
Tel.: +61 (2) 9373 7951
Email: justin.abel@reuters.com

Justin was Managing Director of ESL during my period there as a Java developer working on financial graphics applications.

About this document



This CV was written in XML (DocBook 4.1.2). It was transformed to XSLFO (formatting objects) using XSLT (Saxon 6.5.2), and then rendered as PDF (Acrobat) using Apache FOP 0.20.4.