

## Superb technical communication skills

A career in IT and software, industry and research, has prepared me for a role as an exceptional communicator of technical knowledge through writing, diagrams, presentations, education or facilitation. Consistently highly rated for course preparation and delivery, I have a unique combination of engineering and interpersonal communication strengths.

- Coordinated design and documentation of a component-oriented UML profile metamodel based on SysML: European Union funded research project, at IRISA, 2007
- Documented use cases and system architecture using UML modelling tools in various business requirements analysis roles
- Created original documentation for the AspectJ project at Xerox PARC, USA
- Over 10 years experience in teaching, training, curriculum design and course preparation.
- NLP Master Practitioner, ITS, London, 2008–9

## A practical visual thinker

I work by developing a clear understanding of the structure of the problem to hand, whether it be expressed in English, Use Cases, UML models, business process maps, source code, a presentation or a conversation; my strength is in modelling and understanding.

- Developed and delivered custom training for business process change and tool adoption, HBOS Central IT, 2008
- Consultant business requirements analyst, BBC Digital Media Initiative, 2007
- Business requirements analyst, mBlox UK, 2007
- Technical Lead, analysis and architecture and implementation, systems integration project, Dixons Group, 2003
- Technical Lead, IBM Insurance Application Architecture metamodel team, 1995–7

## Rigorous and logical

I am able to discern and focus on relevant levels of abstraction including the fine details – technical English and formal mathematics – or the big picture – a diagram, summary or even a cartoon.

- PhD thesis: Formal Models for Aspect-oriented Software Development: an operational semantics of AspectJ, Imperial College London, 2004
- Chartered Engineer & IT Professional (BCS, 1995–)
- BSc Information Technology (First Class Honours), Leicester Polytechnic, 1988

## Committed to learning

As a team member I am catalytic because I engage with people, how they understand and work with what they know, and how we can improve through learning together.

- Volunteer with a local global education charity
- Created and delivered course in Emotional Intelligence for a leadership programme in Bedford
- Studying for Certificate in Education for Sustainability at Schumacher College, Devon
- Taught staff and students at an IT college in Eastern Kenya for Voluntary Services Overseas

## Champion of Object-oriented technologies

I have worked alongside the founders of the Unified Modelling Language, Use Cases, and Aspect Oriented Software Development, my own contributions to these fields include ideas, examples, models and new languages.

- Researcher in Subject and Aspect oriented software development at Imperial College
- Developed and delivered training courses in object oriented modelling and design with UML, object oriented programming in Java, Javascript, Eiffel
- Lead De Montfort University in the adoption of OO curriculum, research group and conferences

## employment

- HBOS Central IT Department, Consultant Trainer (Independent) May 2008 – Jun 2008
- BBC, London, Business Requirements Analyst, (Independent) Feb 2008 – Apr 2008
- mBlox UK, London, Business Process Modeller, (Independent) Oct 2007 – Jan 2008
- IRISA<sup>1</sup>, Rennes, France, Ingénieur Expert de Recherche Jul 2006 – Sep 2007
- Holy Rosary College<sup>2</sup>, Tala, Kenya, Educator, Advisor Feb 2004 – Feb 2006
- 7irene, Richmond, London, Principal Consultant Jun 2002 – Oct 2003
- Xerox PARC, Palo Alto, California, USA, Aspect-J team Internship, May – Aug 2000
- Freelance Trainer, London (part time, Sept 1998 – Jun 2003
- IBM Europe, Brussels, Belgium, Applications Architect 1995 – 1997
- De Montfort University, Dept. Computer Science Leicester, Senior Lecturer 1990 – 1998
- Uniclass Business Systems, East Sussex, Consultant 1988 – 1990
- ICI Mond Division, Runcorn, Cheshire, Technical Support Analyst 1986-1987

## education

- Certificate in Education for Sustainability, Schumacher College, Devon 2008.
- PhD Computer Science Imperial College London 2003. Research motivated by a desire to understand how different people's subjective points of view can benefit, rather than hinder, the software development process. PhD thesis: Formal Models for Aspect-oriented Software Development
- BSc Information Technology, Leicester Polytechnic, first class honours

## transferable skills

- Authorship, clear explanation of technical subjects tailored for audience requirements, illustration and presentation graphics, document preparation. Wiki Technology (Confluence, Jira), Bitmap Graphics (Photoshop, GIMP), Scalable Vector Graphics (Visio, CorelDraw, Inkscape), Page Layout (MS Office, OpenOffice.org, LaTeX, XML, Scribus)
- Education, training, teaching, mentoring, meeting facilitation, conflict resolution, NLP, fun and laughter
- Modeling languages (UMP, OCL, BPML, SysML) and tools (Rational Tool Suite, Eclipse UML2, Websphere Business Modeller), methodology (RUP, Agile, XP), programming languages (Java, AspectJ, Smalltalk, Eiffel, Python, Perl, Bash, Javascript, PHP, Haskell), Database (SQL, MySql, Oracle), XML, XHTML, CSS, Apache, Websphrere, Networking (TCP/IP, Routers, Cisco IOS, CCNA) System Administration (XP, Unix, Linux)

## outside work

- Sustainability: I am currently pursuing the Certificate in Education for Sustainability course at Schumacher College in Devon in order to further my educational skills and to better enable me to put them to use in promoting a more sustainable society, and I run the education sub-group for Transition Town Cambridge.
- Creating: Drawing, painting, digital photography, gardening and home-engineering projects.
- Dancing: I love to dance Lindy Hop, the swing dance style of he 1930s, and have been involved in many events as instructor, organiser, DJ and performer.
- Juggling: I juggle and teach juggling and have organized various university clubs and events.

<sup>1</sup> Institut de Recherche en Informatique et Systèmes Aléatoires – [www.irisa.fr](http://www.irisa.fr)

<sup>2</sup> A small college in a village in Eastern Kenya