

XML, the lingua franca for Web services & SOA

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Freelance

Key skills: **XML Core** technologies, in particular **XSLT** and **XQuery**
Web services & SOA
Java, C++ and **Common Lisp** developer
O.O. analyst and **architect**
Ability to work **independently** as well as work as a **team** player,
and to **learn** quickly new technologies

PROFESSIONAL

- Sep. 2008 – Dec. 2008 European Commission, Brussels (Directorate General for Research)
*Analysed document sets, **XSLT & XSL-FO** expert, interfaced with **Java EE**.*
- Apr. 2008 – Aug. 2008 European Commission, Brussels (Directorate General for Research)
*Expert consultant for all **XML**-related questions: **XSLT**, **XQuery**, Orbeon **XForms**, and eXist **XML database** in particular.
Java EE senior developer.*
- Dec. 2007 – Apr. 2008 Accelior Consulting, Brussels (customer: Acheron Capital, London) (in London)
*Designed the **Enterprise Data Model**, and analysed the **Business Processes**.
Analysed, designed and developed **Web services** to interface with the legacy **financial calculation engine**, in C++.
Acting as a **project manager**.*
- Mar. 2007 – Nov. 2007 Accelior Consulting, Brussels (customer: Atos Origin Belgium, final cust.: Mobistar)
*Analysed, designed and developed several independent **Web services** interfacing with **legacy code**, in Java.
Acting as the main Java developer of an **SOA** solution, using an **ESB** (research project on SOA at Mobistar).*
- Jul. 2005 – Feb. 2007 Accelior Consulting, Brussels (customer: ING Lease Belgium)
*Acting as an **analyst** on all document sets.
Acting as an **XSLT & XSL-FO expert** consultant.
Acting as a point of contact between the team and the **customer**.
Developed a framework to **generate** all ING Lease Belgium **documents**.*
- Feb. 2005 – May. 2005 European Organization for Nuclear Research (CERN), Geneva
*Acting as an **analyst**, **designer**, and **developer** for the data-access library (**JDBC**-like) for **Object-Oriented C** at the Accelerator Technology Department.
Implementation for **Oracle** with **OCI**.*

TECHNICAL

XML-related technologies:

Expert in **XSLT** and **XPath**.
Very good at **XQuery** and **XML Schemas**.
Good knowledge of **XML Infoset**, **Relax NG**, **Schematron**.
Good knowledge of **XSL-FO**, **DocBook**, **HTML** and **XHTML**.
Good knowledge of **DOM**, **SAX** and **StAX** APIs, and various **Java APIs** for XML Processing.
Good knowledge of **Web Services** principles, technologies, and tools.
Basic knowledge of **Orbeon Presentation Server** and **CSS**.
Enthusiastic about **ISO/IEC 19757 DSDL** proposed standards and the **XML Processing Model** actually developed at **W3C**.

Design & Architecture tools & languages:

Good knowledge of various **SOA** principles, technologies and tools.
Good knowledge of **UML** and several **Design Patterns** catalogs.
Good knowledge of **Business Process Management** (specifically BPMN & BPEL).

Programming languages:

Very good at **C, C++**.
Very good at **Java** (certified **SCJP**), including various libraries, frameworks and **Java EE** servers.
Good knowledge of **Common Lisp** and other Lisp flavours.
Good knowledge of **Perl**.
Good knowledge of **Regular Expressions**.
Basic knowledge of **Javascript** and **AJAX**.
Basic knowledge of several languages like **Python** or **SED** and **AWK**.

Database technologies & products:

Good understanding of **Oracle Database**.
Academic experience with **Sybase SQL Anywhere**.
Basic experience with **Oracle XML Database** (at both Atos Origin & ING Lease).

Operating systems:

Good knowledge of **Unix System V**-style OS (**Linux** and **Solaris**).
Daily user of various **Linux** distributions since 1998.
Good understanding of **Windows platform**.

ACADEMICAL

Semester 2, 2008	Reviewer of <i>SOA Design Patterns</i> by Thomas Erl , ISBN 978-0136135166
Semester 1, 2008	Reviewer of <i>Web Service Contract Design and Versioning for SOA</i> by Thomas Erl et al., ISBN 978-0136135173
February 2007	Passed the Sun Certified Java Programmer certification.
January 2007	Followed the class Developing Applications for the Java EE Platform at Sun Microsystems (FJ-310-EE5).
Promotion 2005	Institut Paul Lambin, Haute École Léonard de Vinci (aka. IPL). Graduated in Computer Science, specialization in Artificial Intelligence, with <i>distinction</i> .
Thesis	<i>Analysis and design of the Relational DBMS-access module for Object-Oriented C, and implementation for Oracle.</i>

LANGUAGES

- Perfect French (mother tongue)
- Good technical written English, average in spoken English

OTHER ACTIVITIES AND INTERESTS

- Author of *XSLT Test Cases* <http://www.fgeorges.org/xslt/xslt-unit/>, a framework to write and execute **unit tests for XSLT**, as well as a few tools and extensions for XSLT, XQuery and Saxon: <http://www.fgeorges.org/xslt/>
- Active member of the **Kernow** development team <http://kernowforsaxon.sf.net/>. Kernow is an open source Java GUI front-end to Saxon
- Regular contributor of **XSL List**, the world-leading discussion list about XPath, XSLT & XSL-FO. Please see <http://www.mulberrytech.com/xsl/xsl-list/> and <http://xsl-list.markmail.org/> (or to see my own posts: <http://xsl-list.markmail.org/search/?q=from%3Aflorient>)