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- Education:** Ingénieur Informaticien (MSc Computer Science 1997)  
EMA-EERIE – Nîmes – France (<http://institut.ema.fr/institut/>)
- CPGE (Classes Préparatoires aux Grandes Ecoles) – (1991-1994)  
[http://en.wikipedia.org/wiki/Classe\\_Préparatoire\\_aux\\_Grandes\\_Écoles](http://en.wikipedia.org/wiki/Classe_Préparatoire_aux_Grandes_Écoles)  
Advanced Mathematics, Physics and Chemistry  
Lycée Lalande – Bourg-en-Bresse – France
- Baccalauréat C – 1991 <http://en.wikipedia.org/wiki/Baccalauréat>  
Mathematics, Physics, Biology, History-Geography, Philosophy  
Lycée Schoelcher – Martinique – French West Indies
- Technical:** Java Platforms - .NET Platform – ION MarketView  
BondVision, Bloomberg, MarketAxess, TradeWeb, SWX, Bonds, Futures, ...
- Miscellaneous:** Golf (26), PPL (1991)

**Bank Of America – Rates Team – London & New-York**

**From July 2006 to Present**

Position: Senior developer

- Miscellaneous work on Futures, Conversion Factors & DV01
- Development of an Auto negotiation Engine for Bloomberg, BondVision, Tradeweb, LiquidityHub for Inquiries, Orders, Switches, Butterflies & Swaps for London and New York
- Design of a Rules UI & a new Trading GUI
- Development of an ION abstraction layer based on annotations
- Development of a Quote Engine for Guarding and Shadow Quoting & Swaps
- Development of an Auto-Hedger, Cost of Carry Publisher, Beta Lin Pricer
- Development of a Cost Of Carry Publisher
- Development of London Stock Exchange (LSE) gateway

*Technologies: Server: JSE 5.0, Eclipse RCP, Swing, Tibco RDV, ION Trading, MarketView API, MMI.NET, .NET1.1/C#*

**RBS - Fixed Income – London - UK**

**From August 2005 to June 2006**

Position: Senior developer

- Part of a 4-members team what developed a real-time global single bond pricing system for US, UK and Japan. My work specifically involved globalizing benchmarks, corporate bonds, curves and cash flows to ensure a global, consistent system.
- Use of custom messaging frameworks, distributed caches, performance improvement
- Design and development of several JMX components to monitor the trading system in real-time: use of JFreeChart, web technologies and JMX
- Implementation of monitoring tools for the servers running in DEV, UAT and PROD using the Eclipse RCP framework (32/J2SE 5) and several plugins
- I also worked on the trading client (VS.NET C#) working on global ownership, curves.
- Project went LIVE on May, 22<sup>nd</sup>

*Technologies: Server: J2SE 1.4, Client: C#, XML, Sybase, Eclipse RCP, SWT, VS.NET, JMX, JFreeChart*

### **HSBC - Fixed Income – London - UK**

From January 2004 to May 2005

Position: Technical Architect / Senior developer

- I worked with the business analysts on the feasibility of the implementation of the Use Cases bearing in mind the technical constraints of our environment to find/implement solutions.
- Architecture design and implementation of a framework to handle RFQ, Price Publishing and STP for the following markets: MarketAxess, TradeWeb and Orders for SWX using the ION Trading platform and interacting with FinVision.
- MarketAxess went LIVE on July, 29<sup>th</sup> 2004
- TradeWeb went LIVE on December, 3<sup>rd</sup> 2004
- SWX
- Design and implementation of a Bloomberg Price Checker UI that sits on the Traders' desktop using C/C++/JNI/J2SE 5.0/JFace/SWT
- Re-design of the current architecture based on JMS (vendor agnostic) and FIXML
- Design and implementation of a Tibco RDV adapter for ION
- PoC: Design and implementation of a J2EE JCA 1.5 compliant adapter for ION
- PoC: Design and implementation of a Rules Engine replacement for ION using JESS (Java Expert System Shell)

*Technologies: J2SE 1.4, J2SE 5.0, JNI, .NET 2.0, C#, C/C++, Architecture, ION Trading Platform, FinVision, Tibco Rendez-Vous, MQ Series, Fiorano MQ/ESB, J2EE 1.4, jBoss 4, JCA 1.5, JESS, Bloomberg C API*

*Business: e-Fixed Income markets (MarketAxess, Bloomberg, TradeWeb, SWX), Gilts, RFQs, Quoting, Autonegotiation, Orders, STP*

### **EMA & Nimes University – Nimes - France**

From April 2003 to December 2003

Position: Free-lance professor

I was a free-lance professor at the EMA (School for Engineering and Computer Science), and at the University of Nimes where I taught OOP, Java, J2EE and Software Architecture.

*Technologies: Java, Eclipse, J2EE 1.4, jBoss 3.x*

### **Softimeam – Lyon and Sophia-Antipolis – France**

From September 2003 to December 2003

Position: Instructor

I gave numerous training courses on the behalf of Softimeam. The targeted audience was professional software developers seeking training and professional expertise in J2EE.

I also gave a .NET/C# architecture course.

*Technologies: Java, J2EE, jBoss, MySQL, .NET framework, Visual Studio .NET*

### **EDS – Lytham St Annes – UK**

From November 2001 to February 2003

Position: Technical Architect

I was in charge of the design of a “Legacy Integration Layer”:

- Design of the architecture to access 3 legacy systems (ATMI, WTC, SOAP/HTTPS) based on a gateway,
- Definition of XML schemas for the contract between the middleware (Tuxedo 8) and the gateway (WLS 6.1),
- Implementation of the SSO solution with LDAP integration,
- Implementation of the proof of concepts, development
- In charge for a team of 12 consultants,
- I also helped to design the authentication and authorization standards for the Income Support/Job Seeker Allowance system,
- Involved in the design of the performance testing strategy

*Technologies: JMS/MQ Series, SOAP/HTTP(S), WSDL, ATMI, XML, XML Schema, XSLT, FOP, EJB 2.0, MDB, CMP, J2EE 1.3, C#, C++, Swing, Java, AIX, BEA Weblogic Server 6.1, BEA Tuxedo 8.0, Windows, AIX, DB2, JNDI, SSL, LDAP, Eclipse*

### **Vox Generation – London – UK**

From December 2000 to September 2001

Position: Software developer

I worked on a voice recognition platform (a speech recognition software offering access to enterprise tools such as Microsoft Exchange, Microsoft Active Directory or Netscape LDAP.). I was in charge of the back-

end development.

*Technologies: Java, Orion (OC4J), EJB 2, XML, JNDI, WebDAV, ASP*

### **Valtech – London – UK**

**From September 1999 to November 2000**

**Position: Senior Consultant**

I had two different roles within Valtech: an instructor giving training courses in Java and J2EE for Valtech or on the behalf of BEA in Denmark, France, The Netherlands, UK; and a consultant. My main consulting missions were:

- Standard Chartered Bank: Web-centric application development (Currency market)
- Prebon Yamane: Asynchronous messaging platform for the Equities market
- British Petroleum: I was a Technical Architect working in the RLAD program (Reusable Logic and Data Architecture). I belonged to a team of architects; I was responsible of the Presentation Layer where I focused on the design of “multi-channel delivery architecture”.
  - Architecture design
  - Development
  - Architecture presentations in Madrid, Chicago, Detroit and San Francisco

*Technologies: J2EE 1.2, Security, XML, WML, CORBA, JMS, C/C++*

### **Apside Technologies – Paris – France**

**From February 1998 to August 1999**

**Position: Consultant**

I worked for Alcatel where I developed a Reporting tool for PBX, and for SAGEM where I was responsible for the new technologies for a Research Department. I also developed a tool to manage radio-equipments.

*Technologies: Java, JDBC, Swing, C/C++, Java2D, Java Comm API*