Dino Fancellu

Name	Dino Fancellu	**Date of Birth**	2/12/1966
Email	dino@felstar.com	**Nationality**	British
Address	Epsom, Surrey	**Status**	Married

SKILLS SUMMARY

Business	Credit Card Banking, Credit Derivatives, Risk, E-Commerce, FX Dealing, SWIFT, Pensions, Settlement Systems, Health Care, Online Directories, Hospitality, Smart Cards, Data Feeds, CMS (Drupal), FpML, Derivatives
Design	UML, Relational Databases, Object Oriented Design, Software QA
Client	Applets, Ant , AWT, Flash, Flex, RIA, HTML/DHTML, AJAX, Prototype, Scriptaculous, ExtJS, JavaScript , MIDP, Android, Swing, JFreeChart
Java (Server)	J2EE, EJB , JDBC , JNDI, JSP, JSTL, Struts/Tiles, XSQL, Servlets, Weblogic, WebSphere, JBoss, Spring, Hibernate, Terracotta, Grid Computing, MapReduce, Hadoop, XCC, Google App Engine
Java (Message)	XML/XSLT 1.0/2.0/XQuery, SAX, JAXB, SOAP, CORBA, RMI, JMS, Spring-WS, MQ, JBossMQ, ActiveMQ, Tibco Rendezvous, EMS, Sockets, JNet, BlazeDS, XQJ
Microsoft	ASP, C#/ .NET, Visual C++/MFC, VISUAL BASIC
Languages	JAVA, BASIC, DELPHI, Perl, PHP, Scala, XSLT, XQuery
Database	SQL Server, Sybase, Oracle, PL/SQL, MarkLogic, Access, Derby
O/S	UNIX, Linux, VAX/VMS, MS-DOS, Microsoft Win95/98/NT/Win2K/XP
Benchmark	Score of 99% quartile on Brainbench Java 2 and HTML benchmark. Score of 100% quartile on TekCheck JDBC, Java 2, Server benchmark

WORK SUMMARY

Felstar Ltd		**Jan 2000 - Present**
Java Developer	HSBC Global banking and Markets	Jun 2010 – Sep 2010
eCommerce STP	Unicredit Bank	Mar 2010- May 2010
XQuery Developer	JPMorgan Chase	Aug 2009 – Mar 2010
Java XML Developer	Reuters PLC and Thomson Reuters PLC	Jan 2008 – Nov 2008
Java XSLT Developer	Fitch Ratings PLC / ValuSpread	Oct 2006 – Nov 2007
Java XSLT Developer	Elsevier Science Ltd	Mar 2006 – Oct 2006
XML Contractor	Fish4.co.uk	Feb 2005 – Dec 2005
J2EE Contractor	Misys International Banking Systems	Sep 2004 – Jan 2005
Senior Contractor	Capula/Elan Ltd	Jan 2004 – May 2004
Senior Contractor	Invokon Ltd	May 2002 – May 2003
Contractor	Javelin Software Ltd	Oct 2000 - Oct 2001
Contractor	pensionsbusiness.com	Oct 2000 - Oct 2001
Contractor	Sapient/Assertahome.com	Mar 2000 - Jun 2000
Contractor	LastMinute.com	Jan 2000 - Feb 2000
Senior Developer	Future State Technology	Jun 1996 - Nov 1999
Senior Developer	Fusion Systems Ltd	Jan 1996 – May 1996
Senior Developer	Icon Software Ltd	Jun 1993 - Nov 1995
Developer / DBA	Alex technologies Ltd	Sep 1991 - Jun 1993
Developer	Grid Ltd	Oct 1990 - Jan 1991
Support Manager	KPG Ltd	Mar 1989 – Sep 1990
System Developer	PCC Ltd	Jun 1988 – Aug1988
Unix Sys Admin	Borax Consolidated Ltd	Jun 1987 - Jun 1988
Unix Sys Admin	J. D. Ward & Co	Dec 1986 - Jun 1987

EDUCATION SUMMARY

1983-1985	North East Surrey Technical College	3 A-Levels (Computers, Physics, Pure Maths)
1978-1983	Alleyn's College, Dulwich.	9 O-Levels

EMPLOYER	**FELSTAR LTD**	**Jan 2000 – Present**
POSITION	**CONSULTANT / DIRECTOR**	

CLIENT	**HSBC Global banking and Markets**	**Jun 2010 – Sep 2010**
BUSINESS	I was responsible for various **MI (Management information) Research Dashboard** initiatives in the **Global Research** department. I was tasked with first analysing then migrating various manual/**Excel** based procedures into a web UI. Areas included were Readership, Entitlements, Authorisation, Analyst lookup, Broker Votes and Global Tiered Access.	
TECHNOLOGY	**Java, Tomcat, SQL Server, Transact-SQL, XSLT, Ajax/jQuery/jqGrid, Apache POI**	

CLIENT	**Unicredit Bank**	**Mar 2010 – May 2010**
BUSINESS	I was responsible for various **eCommerce STP** development tasks in the front office. My first task was to enable STP for **Reuters RET FX Spot/Forward** Trades coming from the **FXO** desk, via **Quantus**/**Caplin** through the Reuters **LBN** via **MQ** , passing it onto **Murex** in **MxML** format via **MQ**, for later posting onto **Kondor** +. Before I did this trades had to be manually booked. I did this using the in house **XStream** multithreading messaging server and mapping in **XQuery and XSLT**. My second task was to convert **RET** trades to **WSS** format and send to the Vienna server, keeping track of ack/nacks. My third task was to convert **RET Spot/Forward/Swap** into a standardised format (**ebom**- eCommerce Business Object Model) for consumption by 3rd party systems like Traiana, Sophis, and Opics. This allowed us to remove commercially sensitive data and only send what we needed, resulting in smaller messages, less latency and faster processing.	
TECHNOLOGY	**Java 1.5/1.6, Sybase, SQL Server, Saxon XQuery/XSLT, XSD, RET, Murex, Kondor+, IBM Websphere MQ, JNDI/LDAP**	

CLIENT	**JPMorgan Chase**	**Aug 2009 – Mar 2010**
BUSINESS	I was responsible for developing the complex **XQuery** transforms needed to map the existing derivative trade message formats to the new canonical message format necessary for the **ODS** project. The Operational Data Service (**ODS**) is a facility to create, revise, access and manage shared business data in a secure, scalable and consistent manner. In time the ODS will become the primary mechanism by which applications access shared transaction data in the firm, i.e. a SRP (Strategic Reengineering Project). Source message formats included **RmSwapTrade**, **TradeMLConfirmable**, **TradeMLedgotc**, **IRMLfxo**, **IBML fxo/ird/commodoties**, **FpML** containing **trade**, **confirmation** and **settlement** messages for **Interest Rate Swaps**, **Cross currency Swaps**, **CDS**, **CDO**, **Equity Swaps**, **Caps**, **Floors**, **Collars**, **SwapOptions**, **FX Options**, **Equity Options** etc. My transforms were used in both the backload of existing legacy data, in batch mode, as well as on the live trades going through the multithreading message bus. I also provided consultancy and mentoring on **XQuery/XSLT** related matters to other members of the team and within **IBTech Core Processing**.	
TECHNOLOGY	**Java 1.6** and **Saxon-EE XQuery/XSLT, XSD 1.0/1.1, Sybase 15 ASE, Marklogic 4.x, XCC, XSOM, Oracle 11g, eXist-DB 1.4**	

CLIENT	**Reuters/Thomson Reuters**	**Jan 2008 – Nov 2008**
BUSINESS	I was responsible for importing **Thomson** feed data, before and after the merger. I imported Thomson **ILX, ECF, GEM/SDI, RCM** data from multi gigabyte **XML** files into **Oracle**, in order to be integrated with the **Reuters NDA** CORECAT data. This pulled in organization, instrument, quotation and relationship data, in the case of **SDI**, **22GB** of it. Due to the size of the data my solution had to be fast and able to handle the large volumes. Documented the above, liaised with QA and Ops. Created **Oracle APEX** applications in order to analyze and navigate the huge datasets. Did reviews of other people's Java designs. Also worked **on performance improvements** on existing feeds, code reviews for other teams.
TECHNOLOGY	**Java 1.6** and **JAXB 2.x**, **Spring**, **Hibernate**, **XSD**, **Oracle 10g, Hadoop,** multithreading **Reuters Feed Server** architecture**,** used **Apache Derby** (aka **Java DB**) as a local data cache to avoid memory issues**, H2** in memory database to act as in memory cache**, Oracle APEX (HtmlDB), Solaris, KSH, Perl**

CLIENT	**Fitch Ratings PLC / ValuSpread**	**Oct 2006 – Nov 2007**
BUSINESS	I was in the development team for **RAPCD**: **Risk Analytics** Platform for **Credit Derivatives** for the **synthetic CDO** market. I wrote the Market Data Report in **XSLT 2.0** with 17 different business rules to show data state and quality, intra-day comparisons and alerts, used before uploading **ValuSpread** and **Markit CDS** market data to the **Algorithmics** pricing engine. I also developed various **XSQL/XSLT** pages for the main **RAPCD** web interface, adding pages for the handling of Market Data Batches, overrides and workflow, using **AJAX** technology for better user experience http://www.derivativefitch.com/rap_cd.cfm I also added custom **XSQL** action tags for **SOAP WebService** consumption, so that **XSQL** pages could access various external **web services.** Also created **XSQL** actions tags to publish to **JMS** Created cross server communication framework with **ActiveMQ JMS** to enable various cross server processes to integrate workflow. Also worked on **Excel XLA** addins to export data to **Excel** as well as conversion of **Deal Snapshot** editor to **Swing.** Prototype of **Flex RIA** framework UI as possible new front end. Wrote new **SOA** business framework, along **SOA Lite** lines, using **XSL/XQuery** as driving language, using **Saxon8-sa** custom functions. http://www.xml.com/pub/a/2007/09/12/extended-xquery-for-soa.html This is now the backbone of our new **SOA** architecture. Wrote **very large** dataset **AJAX** component, e.g. browsing and editing 100,000 rows of data in browser in performant manner. Helping **ValuSpread** with their new customer portal, using above **SOA** framework, improving **PL/SQL** performance and the user experience
TECHNOLOGY	**Java 1.5** and **XSLT 2.0** via **Saxon8-sa,** Optimized **XLST** that took many hours to run so that it now took a couple of minutes. Made **Prototype AJAX** handling of large (**20MB+**) xml data **9** times faster. Enabled **gzipping** of XML, leading to **98%+** savings in data transfer Created Saxon custom function to enable posting of **XML** body to **Web Services,** also enables **gzip** unlike standard **document()** function **XML REST web services** and web pages via **Oracle XSQL, Oracle 10g, XSLT/XQuery Javascript, JSP, AJAX/Prototype/Scriptaculous, Spring-WS, Excel 2003 XML Maps, Excel VBA, XSD, SOAP, ActiveMQ, JMS, Swing, Flex, Saxon custom functions, FusionCharts, PL/SQL optimization**

CLIENT	**Elsevier Science Ltd**	**March 2006 - Oct 2006**
BUSINESS	I was in the development team for their web delivery system, **Phoenix**. **Phoenix** is the platform which delivers hundreds of online scientific journals, with accompanying custom websites, to individuals, societies and companies. My main task was to speed up and improve their **Tiptree** toolset, which was what they used to translate their site definition **XML** to the final delivery content format, also **XML**. Given my experience at **Fish4**, this proved to be an area with which I was very comfortable. I was also tasked with converting **Tiptree** to be compatible to our new **J2EE** platform. My next task was to write a standalone test harness for the security module (**A&E**), allowing them to chase down severe performance issues. Next I was tasked with migrating the in house **C++** search and content engine (**Bibliotek**) to **MarkLogic**, a pure **XML XQuery** database, as the current system was slow, unstable, and couldn't take on any more business.	
TECHNOLOGY	Pure Java, **JDK 1.4.2**. **SAX/XML/XSLT 2.0, 900+** journals to process**,** thousands of **XHTML** site fragments. Sped things up enormously, made it possible to select individual journals or clusters of journals for translation after the project lying dormant for over 6 months. The migration to **MarkLogic** of course involved converting the existing 1999 technology to the latest version of the **MarkLogic** pure **XML/XQuery** database, with the client side **COM/Java** code turned into pure **Java**.	

CLIENT	**Fish4.co.uk**	**Feb 2005 – December 2005**
BUSINESS	I was in charge of the **ppm**, the **advert pre-proccesing module**. Every advert in the system went through the ppm in order to be validated, altered, and transformed into our final XML standard. It handles over **900,000** adverts a day from many different sources, for **jobs, homes and cars**. Also did **Data Migration** for over **600,000** user saved searches to new platform. **Documented** the ppm, complex (**Java** and **XSLT**) business rules were translated into English for the **Business Analysts**. Headed up **GateKeeper** project, taking final XML feeds from customers and validating against complex **XSD** schemas and Java side business rules in order to ensure data quality. Built web based **MIS** system to drill through advert data.	
TECHNOLOGY	Pure Java, **JDK 1.4.2**, **JAXB**. **SGML,** delimited, and loose **XML** (Silver) goes in, strict (Gold) **XML** goes out, for final upload to separate Import Module, also sent process messages to **JBossMQ** via **JMS**. Delimited files and **SGML** were transformed to intermediate **XML,** ready for **XSLT.** Business rules held in **Java** and **XSLT**. IDE was **Eclipse 3.x** For the Saved Searches project I used **Sybase ASE 12.x**, **T-SQL Stored Procs**, **Commons Digest**, **Oracle PL/SQL**, and **MySQL 4.x**. For Gatekeeper I used **XSD** schema plus custom DOM Builder so I could handle multi megabyte XML files yet still have easy use Document objects For the **MIS** system I used Tomcat 5.5x,**Netbeans** 5.x and **Flex**	

CLIENT	**Misys International Banking Systems**	**Sep 2004 – Jan 2005**
BUSINESS	This was for the **Message Manager Thin Client, a financial messaging platform**. I created the **SWIFT** MT95/96/99 messaging module, system data admin, host data admin, and **4-eyes** security administration module.	
TECHNOLOGY	The system ran on **WebSphere 5.1**, **IBM MQ**, with an **Oracle 9i** database. Our IDE was **WSAD** plus **Dreamweaver MX**. For data access we used **EJB** and **Spring**, and on the front end we used **Struts, JSP, JSTL, Taglibs, DHTML**, and **Javascript**	

CLIENT	**Capula/Elan Ltd**	**Jan 2004 – May 2004**
BUSINESS	The **system tracked patients in hospital, and managed their care pathways**. Given the nature of the information the system had to be secure, robust and perform well. My role, as senior contractor, was to optimise the system, convert PHP code into Java and provide mentoring.	

TECHNOLOGY	I helped optimize the system, for example making the **XML/XSLT transforms** 100 times faster from **Tomcat** and **Apache**, and made the database calls to an **Oracle database** over 200 times faster using **PL/SQL**. I converted a lot of code from **PHP** to **Java,** in order to create a pure **Java** solution, using **Struts** and **Tiles**. Used **Lucene** to create a **Swing Application** for codebase mapping. I also introduced many tools to the organisation that made work more productive for the other developers, and spent a lot of time in a **mentoring role**. Running on Redhat Linux and Windows.
CLIENT	**INVOKON LTD** **May 2002 - May 2003**
BUSINESS	I was head developer for a **distributed RIA for the hospitality industry**. The system allowed complex configurable menus, food-**ordering and logistics**, data-entry, **credit cards**, multi-media presentations, chat and instant messaging. This was a cutting edge project due to the high demands from user requirements. You can find more information here http://www.escapismmedia.com.
TECHNOLOGY	The front end of the system ran in **IE** and used layered **DHTML** pages generated with **JSP** coexisting with **Flash** and **Swing Applet** components written in Java JDK 1.4. Communication to the server used a combination of **JSP** and **Flash Web Services** on **Tomcat**. Real time communication used a **Java Socket** level API called JNet, to broadcast data. A large **ORM** persistence layer wrote to an **Oracle 9i** database. Running on Linux and Windows.
CLIENT	**JAVELIN SOFTWARE LTD** **Oct 2000 - Oct 2001**
BUSINESS	I was part of team that developed a **code generation tool** called JGenerator and JPool. My responsibilities were to create the components to generate a JSP administration interface, and web service interface for the product, and to code and test JPool. Also worked on JNet.
TECHNOLOGY	JGenerator uses a model driven approach to read in a business description of a project and generate an object-relational persistence layer in a number of flavours (e.g. **JDBC** to **SQL Server**, **Sybase** or **Oracle** and **EJB** to **WebLogic** or **Sun**). The administration system ran **HTML**, **JSP** and **SOAP** in **Tomcat** and **Resin**. JPool is a **JDBC** connection pool providing cross-database support, SQL translation, exception handling and failover. Also did some **C#/dotnet** Form work to talk to our **SOAP** Web Services.
CLIENT	**PENSIONSBUSINESS LTD** **Oct 2000 - Oct 2001**
BUSINESS	Pensions Business is a **web site that sold Group Pensions** from a number of different Life Companies. I was responsible for developing the web pages and **Origo** message feeds to the pension providers. The web pages involved a lot of compliance work.
TECHNOLOGY	Over 200 web pages were designed in **Dreamweaver**, **Photoshop, DHTML** and **JSP** running on **Resin** using **Java JDK 1.3**. The JSP web pages spoke to an **object-relational persistence** layer and a **MS SQL Server database**. **XML** Messages were sent to pension providers based on the **Origo XML** format using **MD5 encryption**, **EMail** and **HTTPS**.
CLIENT	**SAPIENT / ASSERTAHOME.COM** **Mar 2000 - Jun 2000**
BUSINESS	Sapient produces a **house buying website** called asserthome.com. I was responsible for doing **high-volume table displays** and data-feeds to other 3rd party sites, such as communicating data to data-centres, or surveyors.
TECHNOLOGY	I developed a lot of form entry **HTML**, **JSP** and **Servlets** in **WebLogic** using **Java JDK 1.2** and re-designed the **Oracle PL/SQL Stored Procedures**. I developed various custom data-feeds to 3rd party providers using **HTTP**.
CLIENT	**LAST MINUTE LTD** **Jan 2000 - Feb 2000**

BUSINESS	Lastminute.com is **a large travel-oriented website**. I was responsible for doing high-volume table displays.
TECHNOLOGY	I developed a generic architecture for handling large table displays using **Java**, **JHTML** in **ATGDynamo** using an **Informix** database. Running on Solaris and Windows.

EMPLOYER	**FUTURE STATE LTD**	**Jun 1996 - Nov 1999**
POSITION	**SENIOR DEVELOPER / CONSULTANT**	

PROJECT	**UNITY SETTLEMENT SYSTEM**	**Jun 1998 - Nov 1999**
BUSINESS	To develop **a new settlement system** called Unity for today's markets.	
TECHNOLOGY	The system was built used a hybrid of **Visual C++** and **Java**. The system used a **C++/MFC** on the client, **Weblogic Tengah EJB Server** as the application server and **Versant OODB** as the database.	

CLIENT	**FIDELITY BROKERAGE SERVICES**	**Jan 1998 - Jun 1998**
BUSINESS	The purpose of this project was to create software modules that would allow for the **creation, maintenance, and execution** of **customer fees and charges**	
TECHNOLOGY	The system was developed by creating new **Visual C++** modules for the **Insight** (Now **CityNet**) Financial Control Application that interacted with a **Sybase** database using **Transact SQL store procedures**.	

CLIENT	**FIDELITY INTERNATIONAL LTD**	**Jun 1996 - Dec 1997**
BUSINESS	To develop **a generic financial-control application** that allowed dynamic navigation though accounting reports laid out in like spread-sheet format. The initial deployment allowed the financial department to resolve problems in the **TAROT brokerage settlement system**.	
TECHNOLOGY	The system used a grid control in **Visual C++/MFC** to access an **Oracle 8** database.	

EMPLOYER	**FUSIONS SYSTEM LTD**	**Jan 1996 - May 1996**
POSITION	**SENIOR DEVELOPER / CONSULTANT**	

CLIENT	**BANKERS NETWORK**	**Jan 1996 - May 1996**
BUSINESS	To develop an online **FX order system**, as part of a larger suite of financial applications. The FX order system allowed clients to enter into FX positions and **specify stop-loss or take-profit orders**, as well as manage portfolios. The system and companies involved were **sold to Dow-Jones**.	
TECHNOLOGY	The system was developed using **PERL, Java**, **Applets**, and **Visual C** running on **HTML**, **sockets**, or the **Rendezvous Messaging bus** talking to **Sybase** and running on **Windows 3.1/95/NT** and various **Unix** platforms.	

EMPLOYER	**ICON SOFTWARE LTD**	**Jun 1993 - Nov 1995**
POSITION	**SENIOR DEVELOPER**	

PROJECT	**CREDIT CARD AUTH AND FUND TRANSFER**
BUSINESS	To develop a **credit card authorisation system** that communicates to banks during the day and at night turned into a **fund transfer system**, sending all the previous day's transactions to the relevant banks. This allowed the ATCs to become fully automated.
TECHNOLOGY	The system was deployed on a **failsafe network of PCs** using **multi-threaded C**. The servers communicated with the bank by **X25 digital packet radio network** using the **APACS 30** and **27/29** protocols.

PROJECT	**DISTRIBUTED TILLING SYSTEM**
BUSINESS	To develop a **distributed touch-screen tilling system**, to sell concessionary items (e.g. magazines, T-Shirts, drinks).
TECHNOLOGY	The system was deployed on one **PC controller** using **Multithreaded C+**

	+, which connected to lots of **touch sensitive LCD screens** for keyboard entry, a **credit card swipe**, a **bar code reader** and a **receipt printer**.
PROJECT	**TICKET TRANSACTION MACHINE**
BUSINESS	To develop an **automated ticket collection machine** (ATC). After earlier payment with a **credit card**, the ATC sits in the foyer and invites customers to swipe their credit card and prints out tickets.
TECHNOLOGY	The ATC program was written in **Delphi**, running under **Windows**. I had to take the **Retrieve C API** for **DOS** and then turn it into a **DLL for Windows**. It used a **LCD touch screen**. I also had to write low-level **C printer and card swipe software** to give a fine-level of control.
PROJECT	**PHONE ROOM SOFTWARE**
BUSINESS	To develop a system that allows customers from different cinema groups to ring a **central phone room** and either **book tickets without human intervention** or be **queued for human to answer**. Customers can choose which seats they wish to buy and seating updates are communicated with servers in the cinemas.
TECHNOLOGY	The system was deployed across a **network of PC's** using **multi-threaded C++**, with **hundreds of phone lines**, and **VRUs** to handle out of hours calls and overflow. Communication was done using **X25 digital packet radio** or **IPX** in a WAN environment.