

# CURRICULUM VITAE

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## SUMMARY

I graduated in 1989 and after a brief period in a Merchant Bank I moved into IT, working at Price Waterhouse as an IT Consultant. Price Waterhouse was a large consultancy and charged high fees for placing highly trained staff. I was trained in Business and Systems Analysis, System Design, and Programming under strict methodologies. These are all skills I have carried with me through my subsequent twenty years as a systems.

In those years I have worked on many different systems and strived to improve myself and my skills without compromising the job I was working on. I have taught myself new languages at home, and find it easy to adapt to new technologies and tools. I have written front-end GUI applications, Server applications, batch jobs, reports, demon processes, and feeds between systems, as well as leading teams and teaching/mentoring people using my experience, especially in the realms of J2EE and SQL.

Here is a summary of my technical experience.

OO Technologies	:	12 years		Html	:	9 years		C	:	8 years
Java	:	11 years		Javascript	:	2.5 year		Unix	:	20 years
C++	:	3 years		C#	:	0.5 years		Windows	:	20 years
J2EE	:	8 years		SQL	:	20 years		VB/Access	:	3 years
Sybase	:	4.5 years		Oracle	:	3 years		Ingres	:	6 years
Banking	:	6+ years		Weblogic	:	2 years		EJB	:	8 years
Jrun	:	3 mnths		JBoss	:	5 years		Mysql	:	7 years

In the world of Java I have experience of JDK, JFC, JDBC, RMI, JSP's, JB's, EJB's, J2EE, Servlets, Hibernate, Weblogic and JBoss/Tomcat. I have also used Eclipse, Netbeans and JBuilder.

I have worked on all aspects of programming, from initial analysis and requirements gathering, to final implementation. Many of the projects I have worked on since 2006 I have been responsible for all of these stages and have been responsible for all communication with the client from the initial contact to the final billing.

I have proved excellent communication skills with everyone from front line operatives to managing directors of large companies and this can all be seen from my experience and work history.

For fun I play football, tennis, golf and the guitar, though not all at the same time....

## WORK EXPERIENCE

**www.thornley.info**

**- Self Employed -**

**June 2006 – now**

I have worked on, and delivered on over 20 projects since June 2006, all done entirely from home. This has included writing entire projects, and doing maintenance on existing systems. The clients have included startups, smaller companies, larger companies, and individuals.

The applications have been varied but I have been responsible for most of them from start to finish. This has included gathering requirements from the client, writing system analysis documentation, system design documentation, UML diagrams and database design.

Mostly I have gone on to program the entire system, followed by testing and finishing with implementing it including setting up servers, databases and unix configuration.

Coding has mainly been in Java including SWT, Swing, JDBC, JNI, Jboss/Tomcat, Hibernate and J2EE. As well as HTML, CSS and Javascript for web based front ends. At the backend has been Oracle, Mysql and SqlServer.

More recently I have turned my hand to mobile applications including 2 blackberry applications for Symantec and Playstation ([www.emea.symantec.com/infosec2010app](http://www.emea.symantec.com/infosec2010app)), and 2 applications for the Iphone with versions for Android, Symbian and the Blackberry for audio trails ([www.audiotrails.co.uk](http://www.audiotrails.co.uk)).

Other applications include a webshop capable of being used by all the manufacturer's retailers (<http://www.naf-uk.eu/nafShop.jsp?MerchantID=1005>). A system for a consultancy ([www.kinetic.gb.com](http://www.kinetic.gb.com)) which allows them to record time and motion studies, upload the data to a server and draw graphs and charts based on that data. A system for [www.kenbuster.co.uk](http://www.kenbuster.co.uk), which takes data from GPS units and checks whether they have been into the congestion charging zone and makes a payment if they have, it also allows the employees of kenbuster to maintain user details, check journeys and send out confirmation emails/sms. A web based system for Finance Media Leads, which allows them to register new associates, and those associates to pass loan enquiries on through their websites, whilst recording all applications and calculating and administering commission. At Miele ([www.miele.com](http://www.miele.com)) I maintained their java based client/server application for administering the work of field engineers.

To see the full scope of what I have delivered – please see my website – [www.thornley.info/Freelancing.jsp](http://www.thornley.info/Freelancing.jsp).

**Goldman Sachs**

**- Contract -**

**Aug 2003 – June 2006**

Working in the Market Risk department, this was my second stint at Goldmans. We produced the Value at Risk for the entire bank. The team was spread across NY, London and Tokyo. Feeds taken from across the bank include Equities, Bonds, Commodities, FX and all manner of derivatives of these products.

Once the data was taken in via the feeds, calculations were performed including exposure generation, market valuations, variance/covariance matrices, risk factors, simulation factors, aggregation and ultimately the VAR was output via a set of reports.

There was a large mix of technologies used due to the way the department had grown over the previous ten years. Java/J2EE being used for the user interfaces. C++, perl, shell scripting, and an inhouse technology called Slang performing the reading of data and calculations. At the backend was a Sybase server, and Business Objects was used by the users to query the data.

**Hutchinsons**

**- Contract -**

**Jan 2003 – Aug 2003**

**(Three Mobile Communications)**

At Three I worked on the Customer Relations Management systems, mainly on the Server side. We maintained J2EE system based on the Chordiant architecture and writing data to an Oracle database. I was there during the exciting go-live period (03/03/03), when demand for solutions were high and problems were often worked on at weekends and late evenings.

**AC Nielsen**

**- Contract -**

**Sep 2002 – Jan 2003**

At AC Nielsen I was brought in to 'Team Lead and help program a system to tight deadlines with very sketchy specifications'. The system delivers reports across the Internet to clients around the world. We wrote jsp's, servlets and java classes to deliver these reports based on data stored on Oracle 9i. The application server was Jrun, and Actuate produced the reports and Epicentric composed the web pages.

**Assertahome**

**- Contract -**

**June 2000 – Sep 2002**

Assertahome was a website which allows a user to search a property database using various criteria. Estate agents uploaded properties on a daily basis. The front end was JSP's and servlets, along with a lot of HTML and Javascript programming, which talked to EJB's running on Weblogic. On the server side was Solaris/Unix and the data was saved on Oracle 8.1 and accessed using PL/SQL (stored procedures).

I was part of the team that built the second release of this site, and after this was the lead programmer, mentor, and software designer/architect. I worked on the search engine, email and text message notifications, collection of 'key performance indicators' (over 50,000 pieces of data daily using multithreaded architecture) and just about every part of the site that has dynamic content. I was also responsible for ensuring the site worked correctly for all 300,000 hits per day, which involved trawling through log files and solving unreproducible bugs, many in the multithreaded paradigm.

**Nomura International**

**- Contract -**

**Feb 1999 – June 2000**

At Nomura I worked with the Prime Brokerage desk. This department provides trade settlement services, funding and stock lending facilities to large investment funds. We had to replace the legacy system with a web-based application to enable clients to view their portfolios and enter trades worldwide.

I wrote the Trade Entry part of the system. It allowed clients anywhere in the world to see all trades entered today, amend them, and add new ones. The front end HTML was generated at runtime by the server side. It was a three-tiered system, with HTML and Javascript at the front end, a Java Application Server on the server side, and all the data stored on a Sybase server using stored procedures. I also wrote a system for users to monitor and process corporate actions. This was written in Swing at the front end, and communicated via the Intranet using RMI, to an application server on the server side.

Whilst here I did the analysis and design working directly with the desk staff. I maintained the production system, including real time reporting and interfaces with Tibco and I wrote the interface with Bloomberg for real time Fixed Income pricing which was written in Excel using VB macros. The Platform was a network of Sun Stations running Solaris/Unix.

**Goldman Sachs**

**- Contract -**

**Aug 1997 - Feb 1999**

Working on a Fixed Income Front Office Global Trading System this role involved both development and production support. Solving issues with trade entry and flow to Back Office and Accounting systems, as well as trade reporting to the Bank of England and The London Stock Exchange. We worked directly with the traders and representatives at the LSE, European Stock exchanges and ISMA.

Programming was done in C++, C, PERL, UNIX, X-Windows, SYBASE using stored procedures and various spreadsheets in Excel/VB. The hardware consisted of a network of Sun Stations running SunOS and Solaris. There was also a lot of interfacing with other systems including real time pricing systems, and the same trade entry platforms in New York and Tokyo, using ghost guaranteed messaging.

In the second phase of this contract I built a system for transaction reporting to ISMA. I designed and programmed a set of batch processes, which communicate with the ISMA central system via socket communications, using pthreads to increase the efficiency and Sybase to store the data. I took over this project when it was going to fail and re-designed the architecture to ensure the system could report the requisite number of trades within the required timescale, and subsequently delivered on time.

**Deutsch Morgan Grenfell**

**- Contract -**

**Feb 1997 - Aug 1997**

At DMG I did analysis and programming for the credit risk reporting system. The system took feeds from all systems, back office and front office, and it's function was to ensure exposure limits were not exceeded and to report statutory requirements to the bank of England. All programming was done in C and SQL, with an Ingres database, on an IBM AIX running a UNIX operating system.

**Busy Kind Ltd, Nairobi**

**- Self Employed -**

**Mar 1995 – Feb 1997**

After travelling across land from London to Kenya (partly using a motorbike, the rest using buses, boats, bikes, and walking), a partner and I started a magazine for expatriates in Kenya. Working long hours we met very tight deadlines and managed to produce a monthly glossy magazine in a difficult business environment. I was responsible for most of the editorial, the accounts and IT requirements, dealing with staff (of one, though constantly changing), dealing with local government for registration etc, dealing with printers, prepress, and advertisers and standing on street corners handing out magazines.

**Banque Paribas**

**- Contract -**

**Sep 1994 - Feb 1995**

At Paribas I was contracted to do analysis, design and programming on a system for administering bonds. The system covered accounting, settlements, and position reporting for bonds traded by Paribas branches around the world. The programming was done in C and an Ingres database.

**Easams - Commercial Division**

**- Contract -**

**May 1992 – Jun 1994**

Developing a system for the collection of Council Tax, my responsibilities included database design, analysis, design and programming. It was written in C and SQL, using Ingres on a UNIX OS.

I was involved in implementing the system in various Council sites around the country. This involved database management, system administration, writing utilities to aid everyday tasks, and educating Users and Technical Staff to ensure smooth running of the system.

**Price Waterhouse**

**- Permanent Employee -**

**1990 - 1992**

Apart from the accountancy practice Price Waterhouse also has a consultancy concerned primarily with systems development. I was part of the Financial Services Division, and was involved in projects at major clients including Barclays Bank, Foreign and Colonial Bank, United Friendly Insurance and the Bank of Bangladesh. Programming languages used included C, SQL, Ingres, and UNIX. In over 3 years at the company I conducted interviews, established requirements, and delivered structured documentation as a Systems Analyst. Maintained and supported a live and development environment as a Database Administrator and Systems Manager. Designed program specifications, led, motivated and organised a team of 4 programmers aiming to improve the speed of a live database system.

**Societe Generale Merchant Bank**

**- Permanent Employee -**

**1989**

At Societe Generale I worked in the loans administration department and was responsible for rollovers, new drawings, restructuring loans and reconciling mortgage portfolios. Whilst there I managed to structure my work adequately to give me spare time during which I developed spreadsheets to aid people in the department with their work, often reducing time spent on tasks by as much as 50%.

## **EDUCATION**

**University College London**

**1985 - 1989**

Bsc (2i) Joint Hons Economics and Geography

**GCE A'Levels** - Physics(A), Biology(B), Chemistry(B)

**GCE O'Levels** - 10 Subjects

## **PERSONAL**

Date of Birth : 3 September 1965

Marital Status : Married

Health : Very Good.

Non Smoker.

No vision or hearing problems.

## **NOTES**

1. References are available on request.