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DOB: 25 Aug 1968

Citizenship: British & Canadian

## Personal Profile

In my role as a Solution Architect I attempt to ensure that the four components of architecture (process, application, data and infrastructure) are brought together to deliver a system that successfully meets the requirements defined by the business.

I am able to draw in my outstanding data modeling skills; extensive understanding of integrating processes into an IT system; practical, hands-on experience of application development and sound knowledge of infrastructure deployment.

The combination of all these skills enables me to accurately capture the business requirements in terms of processes that the users perform; create functional specifications that support these processes; derive detailed technical design as component models and class/ ER models and generate test plans to ensure that the system will be technically sound and meet the users' business requirements.

## Career History

**2001-present                      Technical Architect                                              Maguffyn Consultants**

Maguffyn is the consulting firm created to provide services to clients in the UK, Canada and Netherlands.

### Significant Projects

- Major Oil Company: Solution Architect for Engineering Data Warehouse. Created Business & Functional Requirements, Component & Deployment Models and Security Framework & Test Plan. Acted as primary technical authority to resolve international, discipline and domain specific issues. System deployed in 5 countries to over 1000 users accessing over 50GB data on 13 servers. Project budget: \$4MM (15 mth project)
- Independent Oil Company: Data Architect for Enterprise GIS. Created Business & Functional Requirements. Designed, implemented and deployed data infrastructure. Integrated out-of-the-box functionality with custom development and 3rd party extensions. System designed by 200 users accessing 250GB data. Project budget: \$3MM (27 month project)
- National Lobby: Author of cost benefit and risk analysis report to evaluate conversion from one datum standard to another (3 month project)
- International Data Standards Organisation: Designed method for integrating spatial (GIS) data with relational database for all upstream data.
- International Data Vendor: Designed, implemented and deployed system to support integration method for spatial data and provide 50GB on-line data through high security network.
- Independent Oil Company: Designed and Implemented Information Management System to deliver data from a number of vendors and internal sources to earth scientists. Developed and implemented processes to manage the data as well as creating detailed system functionality documentation. (12 month project)

**1999-2001                      Database Manager                                              Chevron Canada Resources**

Development and administration of corporate wells database including all data loading and specialised development of user defined queries. Migration of database to Oracle 8i, Java triggers and potential for outsourcing solution whilst maintaining legacy compatibility

**1996-1999                      Project Manager/ Technical Support                                              Oilfield Systems**

Developer of GeoScene (a geological workstation application, used for well log correlation)

Project Manager for development and release of data migration product

Pre-sale support, installation and training of users, technical support and on-site consultancy throughout world for 35 companies with 120 licences and 450 users

**1995-1996                      Software Developer                                              Fairfield Imaging - Volumetrix**

C Development of GeoTracker (a UNIX based 3D geophysical visualisation tool)

**1990-1994                      Field Geophysicist                                              Schlumberger Geco-Prakla**

Field QC and processing of seismic data (2D and 3D) in UK, Belgium, Italy, Germany, Yemen, Kazakhstan

**1989-1990                      Processing Geophysicist                                              Geco Geophysical**

Basic processing of land and marine seismic data

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## Selected Presentations and Conference Papers

2006	Enterprise GIS: Things you should do & some you shouldn't	ESRI Petroleum User Group (Houston)
2004	Data Management Complexities and Challenges	Landmark User Forum (Calgary, Canada)
2003	Spatially Enabling E&P Data	PPDM Spring Conference (Houston, US)
2003	Spatial Data: How to do it and where to get it	ESRI Canada User Conference (Calgary, Canada)
2003	Why turn data into information (but not knowledge)	Landmark Regional Forum (Banff, Canada)
2003	Integrating Spatial data with traditional data management	ESRI Petroleum User Group (Houston)
2002	Spatially Enabling Wells	ESRI User Conference (San Diego, US)
2002	Creating an Information Management system for E&P	Landmark City Conference (Banff, Canada)
2000	Creating a business case for a regional database	Shared Data Repository Work (St Johns, Canada)

## Education and Training

2003	Geomatics, Co-ordinate Systems and Data	ExxonMobil/ Imperial College, London		
2002	Designing Geodatabases and Creating Geodatabases using CASE tools	ESRI, Redlands CA, USA		
1999	Database Administrator Pt I, Advanced SQL, Introduction to Oracle	Oracle, Calgary, Canada		
1994-95	M.Sc. in Software Systems Technology (Awarded with Distinction)	University of Sheffield, U.K.		
1986-89	B.Sc. in Geophysical Sciences (2.1)	University of Southampton, U.K.		
1984-86	"A" level	King George V College, Southport, U.K.		
Mathematics (B)	Geography (A)	Physics (B)	General Studies (A)	
1981-84	"O" level			Gravesend Grammar School, Kent, U.K.
Mathematics (A)	Geography (B)	Physics (B)	Commerce (C)	English (B)
Chemistry (B)	History (C)	German(B)		

## Additional Skills

Member European Association Geoscientists and Engineers (EAGE)

Good spoken German

## Other Interests

Ultimate Frisbee (International standard player)

Golf (handicapped by a really lousy technique)

Skiing (for fun)

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