

Accomplished Enterprise and Solution Architect with strong leadership skills gained through experience of large integration projects within utilities, logistics, property, insurance and other business domains.

key SKILLS

- Educated to Degree level with 17+ years experience in Software Development and GIS
- Accomplished Solution Architect and Technical Manager able to collect and translate customer requirements into effective, usable solutions accurately and efficiently
- Certified project manager, with strong delivery skills and experience of delivering from end to end of the project life cycle.
- Extensive domain knowledge in Defence, Utilities, Land and Property Management, Insurance, Logistics and GIS;
- Specialist in development of very large database management solutions (Oracle and SQL*Server) and complex integrations, including CRM, ERP and Asset Management systems;
- Keen problem solving abilities, resulting in IT solutions that directly and positively impact business efficiency and profitability;
- Highly effective interpersonal skills in relationship building and team management.

professional EXPERIENCE

Solution Architect

Jun 2011 – Present

Ordnance Survey (as GeoByte Consulting LTD)

Southampton

- The Multi-Resolution Data Programme (MRDP) is a multi-disciplined programme to deliver an automated business process that transforms the large scale mapping database into derived data, raster and paper products at a number of scales. Within MRDP, I am an Architect within an Agile development team with responsibility for providing the architecture for Esri-based GIS editors and Publication Adapters. Additionally, I play a key role in the over-arching MRDP Architecture team, providing them insight into Enterprise Geospatial Architectures, Technical Governance and Design Authority.
- The GDMS (formerly Phoenix) programme is the system of processes, technology, data and people through which Ordnance Survey maintains its large scale mapping database and publishes OS MasterMap, ITN and other products. Within GDMS, I am working with business leaders to develop an automated solution to a business problem in order to save them time, money and resources in a difficult business and technical environment.

Lead Solution Architect

Aug 2009 – Jun 2011

ESRI (UK) LTD, Defence (Land, Joint and Intelligence)

Aylesbury

- Reporting to the Industry Practice Manager, my responsibility is to fulfil a Technical Authority role for all Defence sector engagements. Primarily this involves providing recommendations to customers on the deployment of ESRI technology relevant to their environments and constraints, producing proposals, creating technical solutions in support of Tender responses and leading delivery teams.
- My role involves working with and delivering Geo- and Imagery- Intelligence and Exploitation solutions to many Defence organisations nationally and internationally, including ICG (specifically JAGO, JARIC, DGC, AIDU) and the NATO Intelligence Fusion Centre.
- Additionally, I provide many of ESRI's defence customers with architecture advice on GIS ranging from the Technical through to Enterprise level across the Armed Forces and Systems Integrators.

Solution Architect

2003 - 2009

ESRI (UK) LTD, Consultancy Services

Aylesbury

- My role had responsibility in identifying and delivery of solutions, through understanding requirements (functional and non-functional) and translating these into solutions that maximise the benefit to the customer whilst not putting ESRI UK at risk technically nor commercially. My ability to communicate abstract and complex ideas in front of technical and non-technical audiences is a key skill in this role.
- As a Solution Architect, my role includes:
 - As part of a Bid Team, coordinating and producing the technical vision, design and estimates in response to Tenders and proposals; often worth in excess of a million pounds;
 - Being Design Authority for consultancy projects won;
 - Leading development teams, often with members spread across multiple geographic locations;
 - Working with Project Managers in order to communicate priorities, issues, progress and estimates;
 - Formal and informal mentoring of members of the technical teams;
- I have a thorough knowledge of the ESRI software capability including ArcGIS Desktop and Server and how these may be deployed in business critical applications, often with tight non-functional requirements.
- Projects worked on during this period included:
 - **GeoLogistics (ESRI internal) : Operations Manager & Enterprise Architect**
I was selected to lead the technical delivery of a ground-breaking software product for the logistics market that included the development of a massive

Oracle database (13bn+ rows) and custom PL/SQL, C++ and C# software interfacing with ArcGIS Server.

- **ScottishPower : Delivery Manager**
Planned and lead the delivery of an AM/FM solution with a development team of 20+ people. The role covered the scheduling of iterations, providing a framework for the complex QA, configuration and release processes in a virtualised (VMWare) environment.
- **Royal SunAlliance : Solution Architect**
Lead the design and development of a £5m project to integrate key GIS-based services with the Accenture developed Insurance engine. The first service developed was an Address Search engine called LocatorHub that used complex business logic to determine as accurate a location as possible of an address to be insured. The second service developed took the accurate geo-code and analysed it against a number of risks models to determine an overall score. The score and formal address were fundamental to the ability of RSA to write new and update existing policies.
- **Ordnance Survey Northern Ireland : Team Lead**
Lead the design and development of a master database for the management, storage and maintenance of OSNI's large scale vector data sets. Using an innovative approach with new ESRI technology, I established a full process definition for the life cycle of the data held within the database and implemented this using ESRI's JTX and Geodatabase components.
- **Ordnance Survey Ireland : Team Lead**
Lead the development of the master database that supports the maintenance of the base data sets and the supply of bespoke products through a web site via OSI's agents
- **Phoenix Natural Gas : Team Lead**
Lead the design and development of an FM solution for ESRI UK's first Gas customer. The project involved a small team of 5-7 consultants and I was responsible for working with the client to establish the design and data model against which the consultants would develop the software. I also led the quality assurance, on-site delivery and final acceptance.
- In almost all solutions integration with technology from other vendors and bespoke applications was fundamental to a project's success; therefore I have delivered solutions using and against many different technologies.

**Chair of ESRI UK Technical Advisory Group
ESRI (UK) LTD, Consultancy Services**

**2006 - 2008
Aylesbury**

- I was chair of this group from Jan 2006 to Dec 2007 where I oversaw a number of internal projects to deliver new IT infrastructure and process changes.

- Through 2003 – Dec 2007 I was also a member of the Technical Advisory Group which provided technical advice on software engineering techniques and practices to the technical communities across ESRI (UK) and organised internal seminars from external bodies and an annual internal conference (“TechDay”). I co-founded the Solution Architects Forum (SAF) a body that facilitated ideas sharing between Solution Architects enabling them to develop their skills and competencies.

Technical Lead

1998 - 2003

ESRI (UK) LTD, Consultancy Services

Watford &Aylesbury

- Initially in this role, I was responsible for working with a number of Project Managers to analyse, design and deliver solutions as an Analyst Programmer. As time progressed, I became much more responsible for analysis and design for a number of team members to undertake the actual software development. I developed much of my communication, negotiation, management and influencing skills at this time as I was working more closely with customers in defining requirements, setting expectations and then communicating these in written and verbal form to the development team.
- Notable during this period were the successful delivery of ESRI UK's first Water and Gas Utility projects, both of which had wide-reaching impact within utility companies and helped establish ESRI (UK)'s successful Utilities Group which went on to deliver solutions within many more utility companies and Tele-communication companies. In addition to Utilities, I have also worked on a number of national mapping agency projects for Ordnance Survey Northern Ireland and Ordnance Survey Ireland (OSI).

technical SKILLS

		Level (Beginner 1 to 5 Expert)
Technical Team Leadership	10+ years	5
Architecture	8+ years	5
Agile, RUP, UML and OOD	8+ years	4
Project Management	8+ years	3
GIS	17 years	5
ArcGIS Desktop and Server 6.x - 10.x	17 years	5
ArcObjects	9+ years	5
C#, C++ and .NET Framework 2.0 & 3.5	4+ years	4
Visual Studio 2005 and 2008	8+ years	4
Oracle DBMS 7,8, 9i, 10g and 11g	15+ years	4
Oracle PL/SQL	15+ years	5
SQL Server 2000, 2005 and 2008	7+ years	4
Web Services - SOAP and REST	5+ years	3
Enterprise Architect (CASE Tool)	5+ years	5

notable TRAINING

- 2009 **ISEB Practitioner Certificate in Enterprise and Solutions Architecture**, Parity
- 2009 **ISEB Intermediate Certificate in Enterprise and Solutions Architecture**, Parity
- 2008 **Finance for Non-financial Directors**, Institute of Directors
- 2007 **Negotiating Skills**, Henley Management College
- 2006 **Developing Leaders**, HenleyManagementCollege
- 2006 **Use Case Modelling and Introduction to RUP**, Liemur
- 2003-04 **Certified Project Management Professional**, Learning Tree
- Project Management, Project Management for Software Development, Risk Management and Project Team Leading
- Pre-2004 **SQL Server Database Administration**
Oracle Database Administration
- Continuous Self Learning**
TOGAF, .NET, Oracle, Windows, ArcGIS, RUP, Agile
- ESRI UK GIS Courses**
ArcGIS Server, ArcGIS Desktop and ArcSDE
- Soft-skills including:**
Time Management, Appraisals, Team Leadership, Bid Writing, Performance Management

QUALIFICATIONS

- 2011 **BCS Chartered IT Professional**
- 2009 **ISEB Practitioner Certificate in Enterprise and Solutions Architecture**
Parity Training
- 2009 **ISEB Intermediate Certificate in Enterprise and Solutions Architecture**
Parity Training
- 2003 **Project Management Certified Professional**
Learning Tree
- 1994 **B.Sc. Honours Degree in Computer Science (2.ii)**
Staffordshire University
- 1991 **Higher National Diploma (HND) Software Engineering**
Staffordshire Polytechnic

about ME

- Interests** Family, Cooking, Science & Technology, Hiking, Carpentry, Films, Music, Reading
- Marital Status** Married, two children

Languages	English (Native), Spanish (Good)
Driving License	Full and clean
Non Smoker	
Security Clearances	Valid for 5+ years – further details available upon request

References available upon request