



### KEY SKILLS

- Developing architectures for inter-system communications
- Establishing “fit-for-purpose” Data Architecture practices in organisations
- Data Modelling
- Service Oriented Architecture
- Protocol design
- API design
- Data transformation
- Articulating the value of data architecture to Business and IT executives
- Translating complex technical concepts into business-friendly language
- Development and delivery of tailored training
- Exceptional written and verbal communication skills
- NV1 security clearance

### OVERVIEW

Steve is a Senior Consultant, Enterprise, Solution, and Data Architect at Fragile to Agile with extensive experience in the provision of strategic and architectural advice, management of tendering and procurement processes for IT systems for both Australian public sector entities and private enterprises. He specialises in the implementation of Data Architectures, Data Models, APIs and practices in support of change programs and business automation.

Steve is passionate about Data Architecture. He is committed to delivering effective and efficient enterprise and data architecture practices. Steve has extensive experience in the design and implementation of systems that capture, store, transform, and transfer large volumes of highly complex data. He is an Australian leader in data modelling and transformation.

One of Steve’s strengths is his ability to bring together disparate teams to achieve a common goal. He is also excellent at explaining highly technical concepts to businesspeople in Plain English. A capable educator, Steve started honing his teaching skills with small groups at the Australian National University and then went on to develop a curriculum for various data and Internet topics. He has delivered formal training to hundreds of developers in Australia and the USA. Steve has been a mentor in the Google Summer of Code program.

### EXPERIENCE SUMMARY

Steve has worked with many federal and state government agencies, including the Australian Broadcasting Commission, National Library of Australia, and Australian War Memorial. He has conducted significant engagements for the Commonwealth Department of Health, Federal Parliament of Australia, and Department of Foreign Affairs and Trade. Steve has also worked for state and local governments, as well as private sector enterprises.

**Department of Health:** Steve was the Solution and Data Architect for the Pharmaceutical Benefits Scheme (PBS), a \$10 billion per annum Australian Government program that subsidises the cost of medicines for all Australian citizens. He developed the data architecture for the PBS data management system, as well as the integration and publishing architectures. This work involved liaising with policy developers and business users to provide advice on the design and implementation of New Policy Proposals (NPPs) for the program (a budget-in-confidence process). Steve provided technical advice on the specification of Requests for Tender, and the evaluation of responses. He then architected the system built by the successful tenderer. He was also involved in liaising with software developers within various sections of the Department, as well as from other government agencies and private companies, to implement policy changes. As such, Steve was often the translator between business and IT, explaining complex policy issues to technical staff, and highly technical IT concepts to departmental officers.

**For the PBS:** Steve assisted with the specification and design of a new system to replace the original mainframe system, as well as overseeing a data migration task that took mainframe, database and spreadsheet data and transformed it into a data source for the new system.

**Federal Parliament of Australia:** Steve was contracted to the Department of Parliamentary Services to re-develop the ageing SGML-based Hansard Reporting System to use XML. This involved developing XSLT-based software to process daily Hansard to produce XML, and then display speeches in a variety of formats. He also developed an automated system to provide Bound Volume Indexes.

**Monash University ePress:** Steve provided high-level advice on the acquisition of an automated publishing system. He developed specifications and standards for the storage of journal articles and developed software to transform articles into publishing formats; NLM and PDF. This system empowered the Monash University ePress to transform their business process to dramatically reduce the time taken to produce academic journals, allowing the ePress to publish multiple journals per year.

**Department of Foreign Affairs:** Steve implemented DFAT’s first Intranet, providing a Web experience for local staff, as well as diplomatic staff in consulates across the world. He also provided project management, client liaison and support for the DFAT public website, [www.dfat.gov.au](http://www.dfat.gov.au), and Smart Traveller.

**Thomson Legal and Regulatory Group:** Steve provided specialist advice on data exchange, publishing systems and data architecture. This role involved project management and development for two major applications: Case Law and Corporate Law.

**Open Training and Education Network, NSW TAFE:** Steve provided advice on the architecture and development of a Web-based content management system for instructional learning material.