RICHARD FERME

CONSULTANT PROFILE

KEY SKILLS

- Enterprise Architecture
- Solution Architecture
- Business Capability Modelling
- Strategic Planning
- Simplifying Technical Concepts
- Innovative Problem-Solving
- Software Design
- Database Design

QUALIFICATIONS

- A Dip. Computer Science, SA Institute of Technology
- Certified Enterprise Architect, Carnegie Mellon University
- TOGAF 9.2
- Strategic Thinking in the Public Sector, IPAA
- Strategy and Organisational Transitions in the Public Sector, ANZSOG

OVERVIEW

Richard is an award-winning solution architect, and innovative problem-solver with 35 years' experience in the IT industry. He has a passion demystifying complex technical concepts and has worked in industries including Telecommunications, Insurance and Government.

Richard has always had a natural affinity for technology and problem solving and has been delivering solutions in technology since high school. Following university, he established an extensive and varied career in software development, object-oriented design, database design and administration, team leading, systems analysis and project management.

After winning the Premiers' Award for delivering the innovative SA Public Transport journey planning solution, Richard moved into strategy, which sparked his architecture journey and his role as Lead Architect at the Department for Infrastructure and Transport. Richard is passionate about architecture and assisting clients turn strategy into action.

EXPERIENCE SUMMARY

- If you have planned a public transport trip, registered a car online, or downloaded open data, then you have used some of the services Richard has helped deliver. At the Department for Infrastructure & Transport (DIT), Richard delivered the first online real-time registration renewal dealing with millions in transactions, the State's first public transport journey planner, and he was instrumental in delivering the Premier's Declaration of Open Data and GovHack

- Most recently, Richard established the Architecture Group in DIT. He used EA techniques to plan the new architecture service, determine current and future states, and develop services and delivery strategies. Over the next two years, he established Solution Architecture services and led a team that delivered architecture for dozens of projects. Modernisation of the department's foundational services, replacement of core corporate HR and procurement systems, establishing the application portfolio, API framework and standards, and creating a "Digital Twin" architecture repository were just some of the outcomes delivered.

- As Lead Architect at DIT, Richard also used EA techniques to guide multi-million-dollar asset management solutions and business project investment proposals. In Road Safety, Richard delivered the designs and roadmap for a modern data analysis and DataOps capability to support the SA Road Safety Strategy to reduce number of people killed and injured on our roads.

- Richard proposed, designed, and delivered the Public Transport Journey Planner, for which he won the Premiers Award. Richard was the first in Australia to engage Google to provide journey planning using their public transport open data standard. This provided a valuable and sustainable public service whilst also saving government significant time and hundreds of thousands in costs.

- Richard has represented SA at a national level on the Austroads National Intelligent Transport Systems EA Framework, mapping the European ITS Framework to Australian National ITS Framework, and providing data architecture services to automated vehicle trials and national AV data standards.

- Prior to being a lead architect, Richard provided general solution architecture services for DIT, and delivered outcomes including Business Capability modelling to help establish Portfolio and Project Management, market assessment and investment advice for enterprise business process management, Office 365, and Cloud migration.

- Richard is also very proud to have co-designed and delivered the first GovHack open data competition in SA, which resulted in release of 200+ data sets on *data.sa.gov.au* and in the Premier's "Declaration of Open Data". This initiative supported new entrepreneurial businesses and enabled technical and research communities to provide solutions to improve public services.

- Richard has been the go-to person for challenging projects over his career and has had a wide range of experiences, including delivering a satellite-based internet solution to outback road gangs, running the first trial of real time onboard public transport journey information, and helping deliver automated telephone exchanges.

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