



OVERVIEW

Bob has extensive experience as a software solution architect across many industries and technologies. Most of his career has been as a consultant/contractor designing and delivering successful commercial applications for medium to large organisations.

He contributes to the technical aspects of systems, with special interest in performance, integration, and user experience. He ensures that each completed assignment delivers clear and accurate documentation of both the intent and the delivery of the solution to support its ongoing maintenance. Ideally this documentation includes content in an Enterprise Architecture tool that is used for ongoing support of the solution.

Bob is often involved in mentoring and development of client staff in architecture, integration, and the software lifecycle.

KEY SKILLS

- Software Architect for design and implementation of successful commercial applications
- Interfacing and integration of disparate systems
- Development and championing of architecture roadmaps and product strategies
- Data modelling, database design and implementation
- Documentation of designs and delivered systems

QUALIFICATIONS

- Bachelor of Applied Science (Computer Studies), UniSA

EXPERIENCE SUMMARY

- Bob was most recently a Solution Architect at the University of Adelaide. He was involved in numerous projects, primarily in student and financial administration. Major projects included the automation of order matching and payment processing for the whole university, and the design & implementation of a cloud-based portal to handle the student lifecycle from enrolment through to the graduation ceremony.
- Several projects as a Solution Architect at Bendigo and Adelaide Bank. The first major project was Basel II Advanced Accreditation, primarily concerned with risk modelling and risk mitigation and verification that the models are accurate representations of the banks position. This was followed by the migration the Rural Finance Victoria business onto the Rural Bank platform, allowing Rural Finance customers to transact in Bendigo branches, Internet Banking and CRM.
- As Chief System Architect at Retail Directions Bob was responsible for the technical design and data model of the core product. This system is used in many large retail organisations across thousands of stores in over 20 countries. It supports multiple languages, currencies and tax systems, providing an end-to-end solution for point-of-sale, web shop, warehousing, pricing, purchasing and financial management.
- Domain Architect for Finance and Corporate systems at Sensis for the delivery of a business transformation process which replaced many legacy systems with a single integrated solution.
- Solution Architect at Australian Central Credit Union (now People's Choice) to assist with design & delivery of a financial reporting data warehouse.
- Solution Architect for the project that migrated the SA Police traffic light cameras from wet film to digital.
- Technical Architect at EDS Credit Services to assist with the migration from Westpac Bank systems to an EDS corporate platform. The project involved the migration of Westpac proprietary systems on a variety of platforms replacing numerous desktop applications with a unified workflow and browser-based user experience.
- Technical Architect for the redesign of the trading system at the Hong Kong Stock Exchange. This 2-year project delivered a system with over 10 times the throughput of the previous system, while keeping response times under ½ a second and no-loss failover to the backup system in under 2 seconds. It also opened the Hong Kong Stock Exchange to multiple markets with independent trading timetables and multi-currency trades.
- System Architect for the design and development of the Train Management System for National Rail. Bob was responsible for the technical framework supporting this application. The system schedules trains and allocates locos and wagons to each train. It includes active monitoring and mapping of trains, lines & locations. The system has since been expanded to cover all aspects of train management.
- Two separate projects delivering fuel cards for BP Australia (Melbourne) and Shell SE Asia (Singapore).
- The technical design and development of the water billing system used at SA Water, and then a later return assignment to support and expand the system. The system was designed to be platform agnostic for both client & server. It was installed at multiple water authorities after being migrated to different database and server platforms.
- Customisation of an American system to support Finance, Distribution and Warehousing for both Queensland Independent Wholesalers and the Auckland Area Health Board.