

Résumé – Dr. Bob Jansen



Dr Bob Jansen

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Dr Bob Jansen has over thirty years experience in the Information Technology industry. He has worked in Australia and overseas in Europe and America in the R&D, academic and commercial sectors.

He has over twenty publications in peer-reviewed conferences and journals to his credit in such areas as digital preservation, multimedia, artificial intelligence, electronic publishing, oral history and user interaction to IT systems. He has served on the program committees of many prestigious international conferences and been an academic course reviewer and advisor at the University of Western Sydney for its IT courses.

He has successfully attracted over \$200,000 in R&D grant funding

He has worked or consulted for organizations such as the ABC, the Department of Communications, Information Technology and the Arts, CSIRO, ICL, The Historic Housing Trust (NSW), Mitsubishi Australia, Toyota Motor Corporation (Aust), The National Archives of Australia, The National Library of Australia, the University of New South Wales, the NSW National Parks & Wildlife Service, NSW Department of Urban Affairs and Planning, TAFE NSW, South East Sydney & Illawarra Area Health Service and the NSW Department of Education & Training.

Bob Jansen is a founding member of the NSW Cancer Institute's Ci-SCAT Advisory Board; the NSW Melanoma Network and the NSW Cancer Institute's NSW Oncology Group for Melanoma. In these positions he is bringing to bear his extensive experience in ICT and eHealth to improve cancer treatments and increase patient survival from Melanoma.

Qualifications

- PhD (Artificial Intelligence) University of New South Wales, 1991
- BAsC (Applied Physics & Mathematics), University of South Australia, 1976

Areas Worked In

- artificial intelligence
- database design
- digital archiving
- digital broadcasting
- e-commerce
- e-Health
- electronic publishing
- electronic records management
- event capture systems
- expert systems
- file and record tracking systems
- functional analysis
- hypertext systems
- information retrieval
- knowledge-based systems
- markup systems
- multimedia systems
- museum interactives
- network services

- preservation of digital information
- project management
- requirements analysis
- strategy formulation and monitoring
- streaming video and audio applications
- systems analysis
- systems design
- urban planning systems
- visual arts
- web information systems

Recent Work Experience

Job Title Project Manager, South Eastern Sydney & Illawarra Area Health Service

Responsibilities Manage the implementation of the ARIA Oncology application at St George Cancer Care Centre. Establish and maintain relationships with all stakeholders and the US-based vendor. Provide leadership in IT implementation to clinicians and care-giving staff at the Centre. Lead team of 15 staff.

Industry Healthcare
11/2006 to current

- Managed the implementation of a paperless electronic medical record supporting all aspects of patient care at the St George Cancer Care Centre and the Sutherland Hospital Oncology Daycare Centre. A large component of this project was change and expectation management of the clinicians, the Area health Service IT support groups and the software vendor.
- Managed the liaison with the various stakeholders to upgrade the IT infrastructure, the implement the three-site IT environment and to drive workplace change through the organizations.
- Establish central knowledge management facility based on MediaWiki software allowing the recording of various aspects of knowledge about the ARIA service including network, technical, clinical and support issues.
- A \$1M project in total.

Job Title Senior Research Fellow & Director IT, Centre for Health Informatics, University of New South Wales

Responsibilities Lead research into uptake of decision support technology in the health sector. Set up viable R&D program in consumer health informatics. Oversee IT infrastructure of the Centre.

Industry Healthcare
11/2003 to 11/2006

- Investigate reasons behind the slow uptake of decision support technology in the health sector. Te report was presented to the Board of the National Institute of Clinical Studies and provided the basis for establishing a program of activity for this national eHealth organization.
- Review the eHealth program of Smart Internet CRC and advise on the suitability of its R&D activity.
- Designed and implemented CHI network infrastructure including a move to new premises.
- Established IT policy and procedures to manage IT infrastructure.
- Designed and implemented Centre-wide backup and recovery strategy.
- Designed and implemented Centre-wide archiving strategy for digital information objects and records.
- Managed IT infrastructure including security, dataset software licensing, network access, hardware purchasing and network links to the wider University network environment.
- Implement eGroupware collaboration environment based on PHP/MySQL database on a Linux server. Design online policy manual and knowledge base for online procedure descriptions. Implement online bug report and tracking system.

Saturday, May 09, 2009

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- Designed and implemented upgrade to web site utilising TeamSite software as implemented by UNSW
- Designed and implemented a simple contact management web site.
- Designed and implemented an IT Asset Register web site for managing the IT assets of the Centre.

Job Title Research Leader, National Archives of Australia
Responsibilities Investigate end-user requirements of a digital archive. Assist in the development of comprehensive specification for a digital archive. Specify and prototype an audit facility for digital archiving. Lead team of 3.
Industry Government / Public Sector
 04/2002 to 11/2003

- Collaborated in workflow analysis and design for digital archiving workbench using synXpert workflow documentation tool.
- Designed and prototyped the workflow management tool using PHP and MySQL database running as a web service using the Apache web server product.
- Performed requirements analysis for determining how archived digital objects would be made available to the researchers and the public.

Job Title CEO & Chief Scientist, Turtle Lane Studios Pty Ltd
Responsibilities Commercialise Events on Line architecture developed whilst at CSIRO. Identify and form lasting relationships with clients for commercial projects. Investigate collaboration opportunities. Lead different sized teams between 2 and 7 members depending on project requirements,
Industry Computing – Software/Consulting
 02/1997 to Current

- Manage the company, Turtle Lane Studios Pty Ltd, including grant applications, all legal/corporation requirements etc.
- Commercialise the Events on Line architecture, initiated whilst I was at CSIRO, into Testimony Software. This is now a commercial product.
- Negotiate collaborations with Australia Street Consulting Pty Ltd, Museum Planning Services Australia Pty Ltd, Greenhouse Graphics and Ground Glass Productions.
- Design and implement the web sites for Turtle Lane Studios, attendonline and the Australian Centre for Oral History.
- Perform contracted services for clients, such as National Library of Australia, NSW National Parks & Wildlife Service, Tenterfield Shire Council, Laperouse Museum, Hyde Park Barracks Museum, Mitsubishi Motors, Toyota Australia, etc. In most of these roles, I was project manager, bringing on board and managing external contractors, managing the risks involved with the project and managing client expectations. Contracts involved development of multimedia products, web design, online quiz design. and implementation, design and programming of desktop/online applications and web sites using Filemaker Pro, iShell, Testimony Software, HTML, JavaScript, MySQL,

Job Title Consulting Director, Impart Corporation
Responsibilities Develop specification for comprehensive online learning environment. Establish and maintain strong links between stakeholder teams. Manage IT infrastructure of the organization. Lead team of 5.
Industry Computing - Software
 03/1997 to 03/1998

- Design and implement IT infrastructure including central admin server and appropriate information services.
- Project manage the development of the Impart web site including identifying and choosing the external contractors.
- Project Manager of requirements analysis project for an online education and training environment.

Job Title Invited Professor, European R&D laboratories
Responsibilities R&D in multimedia, knowledge based technology and electronic publishing.
Industry Computing - Consulting / Professional Services
 09/1992 to 02/1994

- Collaborative R&D in European laboratories, including the Centre National des Recherches Scientifique (CNRS), University Paris 6 - Jussieu, University Paris1 - Sorbonne, Nokia Research Laboratories (Finland), Swedish Institute of Computer Science. Main focus was electronic publishing and multimedia including further development of the IntelliText software tool.
- Developed an information system design tool based on the Remora modelling language. The tool was able to generate code from the specifications input by the user.
- Applied the IntelliText tool to the development of an electronic archive of the manuscript of James Joyce's Finnegans Wake.

Job Title Principal Research Scientist, CSIRO Mathematical & Information Sciences
Responsibilities R&D in knowledge-based systems and multimedia. Form collaborative relationships with Australian industry and academia. Grant proposals for funding R&D projects, both national and international. Represent CSIRO on various national and international groups. Lead team of 15.
Industry Government / Public Sector
 04/1986 to 08/1992

- Program Manager of the Knowledge Based Systems program.
- Laboratory Manager of the Knowledge Based Systems laboratory.
- Research scientist in artificial intelligence, knowledge representation, electronic publishing and multimedia.
- Developed the IntelliText tool, one of the first electronic publishing tools.
- Project manager of the Siratac Plus expert system redevelopment project - a cotton pest management tool developed in OPS5 and VAX RDB.
- Redevelopment of the Garvan ES1 Expert System using modern information systems technology adapted to cater for knowledge objects.

Job Title Senior Product Specialist, ICL Australia Pty Ltd
Responsibilities Product support for information retrieval and knowledge based products. Sales support in database area. Software development of database and information retrieval systems. Lead different sized teams depending on project requirements
Industry Computing - Software
 03/1978 to 11/1985

- Senior Product Specialist in free text retrieval systems, eg. Status, Basis, etc. Implemented many STATUS database systems, including Federal Parliamentary Library, WA Consumer Affairs Department, Port of Melbourne Authority, West Australian Aboriginal Affairs Commission.
- Designed and implemented a records management system for the Victorian Ministry of Housing using STATUS, COBOL and IDMS.

- Software Support, first, second and third line for COBOL compiler, IDMS database systems, STATUS.
- Software Developer in COBOL, FORTRAN and BASIC.

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Technical Experience & Skills

Technology & Skill	Capability	Languages/Software
Databases- Hierarchic, relational, object oriented & free text	<ul style="list-style-type: none"> • Analysis • Design • Programming • Implementation • Project Management 	<ul style="list-style-type: none"> • IDMS • Vax RDB, • Filemaker PRO, • Microsoft Access 2000 • MySQL, • Oracle • SQLLite • Hypercard • RealBasic • SQL • STATUS
Programming Languages - procedural, object oriented	<ul style="list-style-type: none"> • Analysis • Design • Programming • Implementation 	<ul style="list-style-type: none"> • COBOL • FORTRAN • BASIC • Filemaker PRO • RealBasic • Hypertalk, • Visual Basic • RealBasic • iShell
XML	<ul style="list-style-type: none"> • Analysis • Design • Programming 	<ul style="list-style-type: none"> • MagicDraw • JUDE • Oxygen • Morphon • Poseidon • ArgoUML • RealBasic • IShell • Filemaker Pro
Knowledge Based Systems/ Expert Systems	<ul style="list-style-type: none"> • Analysis • Design • Programming • Implementation • Project management 	<ul style="list-style-type: none"> • Prolog • OPS5 • Logic
Graphics/Digital Video	<ul style="list-style-type: none"> • Image manipulation and processing, • Video processing for web and CD ROM delivery • Design • Programming • Project management 	<ul style="list-style-type: none"> • Adobe Photoshop • Adobe Premier • iMovie, iDVD • VideoScript • DeBabelizer • GraphicConverter • Canvas • Cleaner 5 • LiveChannel • iShell • RealBasic • Filemaker Pro
Information Searching & Retrieval	<ul style="list-style-type: none"> • Analysis • Design • Programming 	<ul style="list-style-type: none"> • Content Addressable Filestore (CAFS ISP) • STATUS

	<ul style="list-style-type: none"> • Implementation • Project management 	<ul style="list-style-type: none"> • SQL
Analysis & Design, Modelling	<ul style="list-style-type: none"> • Perform analyses • Manage and lead projects 	<ul style="list-style-type: none"> • Entity-Relationship, • Remora • Data Flow • Petri Net • Binary • SSADM • Semantic Nets • Frames • Jackson Structures • Toulmin Argument Structures • Object Oriented/Booch • UML
Multi-Media	<ul style="list-style-type: none"> • Analysis • Design • Programming • Implementation • Project management 	<ul style="list-style-type: none"> • Hypercard • Metacard • iShell • RealBasic • Filemaker Pro
Internet/Web Systems	<ul style="list-style-type: none"> • Analysis • Design • Programming • Implementation • Project management 	<ul style="list-style-type: none"> • HTML • XML • PHP • JavaScript • SMIL • SGML • Adobe GoLive • BBEdit • Filemaker Server • iShell • Quicktime
Electronic Publishing	<ul style="list-style-type: none"> • DTD Design, • Document Design and Structures • Project management 	<ul style="list-style-type: none"> • HTML • SGML • XML • PDF/Acrobat
Operating Systems		<ul style="list-style-type: none"> • Mac OS 7/8/9/x • Windows 98/XP • Linux Redhat/Suse • ICL DME, VME

Significant Projects & Roles

Completed many significant projects in multimedia, information architectures, electronic publishing, knowledge-based systems and information retrieval areas, including:

- **Electronic Medical Record Software Application Implementation** – a project implementing VARIAN’s ARIA electronic medical record software in a comprehensive cancer care centre at St George and the Sutherland hospitals in NSW, Australia. I was the project manager for this project, requiring significant organisational and planning skills to bring together disparate resources from across the hospital, the Area Health Service and the US/Canada-based vendor. I also implemented a central knowledge management system based on the MediaWiki software.
- **Web Site Reviewer** - a project reviewing the web site of the online Directory of Breast Cancer Treatment and Services for the Breast Cancer Action Group (NSW) and the NSW Breast Cancer Institute. In this review, I used Jacob Neilson’s ‘top ten’ list of mistakes to guide the client to think about the usability of their site as well as the

Bobby accessibility tool to show them that their site was not providing equality of access.

- **eHealth Project Plan** – convenor and organiser of a brainstorming workshop, eHealth and the Internet, involving representatives from the eHealth and Internet industries meeting to discuss issues in implementing ehealth in Australia. The workshop involved representatives from NSW health, major commercial developers, such as Microsoft, academic and R&D organizations such as CSIRO and the Universities. The project developed the beginnings of a project plan for the implementation of eHealth in Australia.
- **Director and Author** - report to the National Institute of Clinical Studies on barriers to the uptake of electronic decision support systems by medical clinicians. The report proposed several actions to improve uptake, which were accepted by the NICS board for implementation.
- **Director and Author** – report for Smart Internet CRC on opportunities for their programs and projects in the eHealth sector. The report proposed several actions to maximise opportunities for the CRC to build bridges with the eHealth sector.
- **Senior Research Fellow & Director IT, Centre for Health Informatics at the University of New South Wales** – responsible for the design and implementation of the IT infrastructure for the Centre for Health Informatics. Commenced a research program into consumer health informatics. Assisted other researchers with appropriate use of relevant information technology to assist them in their research projects. Implemented a collaboration environment for the sharing of knowledge and resources between research projects.
- **Lead Researcher & Requirements Analyst** - *AtoR Digital Preservation*, a project at the National Archives of Australia developing a digital repository to enable the NAA to commence the archiving and long-term preservation of digital records.
- **Producer & Senior Systems Architect** - *The Peggy van Praagh Story*, an interactive developed for the National Library of Australia as a prototype for their oral history collection.
- **Producer & Senior Systems Architect** - *The Last Voyage of La Perouse*, a museum interactive developed for the Laperouse Museum of the NSW National Parks & Wildlife Service
- **Producer & Senior Systems Analyst and Designer** - *Testimony of the Holocaust*, a project developing a browser for bringing testimonies of holocaust survivors to the general public
- **Chief Scientist** - *HackerAlert*, a system for monitoring web sites against hacking and defacement.
- **Digital Video Consultant, Producer, Senior Systems Analyst and Designer** - Web site, involving streaming video and audio, coupled with on-line education and sales areas, for Langtrees.com.
- **Chief Designer and Technical Leader** - *On-line quiz show* and web site for Mitsubishi Motors (Australia) advertising the Magna range of cars around Australia. This project involved the processing of video shot on-site and incorporated into the web site on a daily basis. The quiz was implemented around an email submission process ensuring maximum service availability for quiz contestants by decoupling the front and back-ends.
- **Producer, Chief Designer and Analyst** - *Web site and kiosk system* for Toyota Motor Corporation and NSW TAFE advertising their training initiative, T3. The kiosk, involving digital video, ran at the Sydney Motor Show and was developed into a CD version for distribution to career advisers at Australian schools.
- **Senior Researcher** – report for the ABC investigating the convergence of Information Technology, Telecommunications, broadcasting and the Internet in relation to opportunities for digital broadcasting;
- **Chief Technical Architect** - NSW Department of Urban Affairs and Planning: investigating issues associated with digital planning, including digital plan validation, lodgement and tracking, as well as specifying a major DHTML browser-based information system for industrial lands;
- **Chief Scientist and Lead Researcher** - *Events On Line*, an innovative environment providing access to real-time events via a web browser, involving the synchronised delivery of digital video, audio, Images and text;

- **Chief Investigator** - *EPICentre*, a project exploring the processes associated with electronic publishing;
- **Lead Researcher** - *PADI*, a web site of information related to the long-term preservation of digital material;
- **Chief Investigator and Lead Architect and Designer** - *IntelliText*, an electronic book environment incorporating multimedia;
- **Chief Investigator** - *Electronic Archive of Finnegans Wake*, an electronic environment for exploring the notebooks used by James Joyce in writing Finnegans Wake;
- **Project Manager and Chief Designer** - *Siratac Plus*, a cotton pest management system incorporating artificial intelligence and database components;
- **Lead Designer and Architect** - *Hansard*, a large free text retrieval application;

Referees

<p>Bob Miller Managing Director Australia Street Consulting Pty Ltd Ph: 0417 208 036 bob.miller@austreet.com.au</p>	<p>Dr Winston Liauw Senior Specialist St George Cancer Care Centre Ph: 0418 165 931 wliauw@bigpond.net.au</p>
<p>Dr. J O'Callaghan Emeritus Professor, ANU Ph: 0419 413 148 j1@ocallaghan.id.au</p>	<p>Bruce Arnold Director, Caslon Analytics Ph: 0415 250 980 bruce@caslon.com.au</p>

Letter of Commendation from DCITA



our reference

Dr Bob Jansen
Director, Turtle Lane Studios Ltd
PO Box 26
Erskineville NSW 2043

Dear Dr Jansen

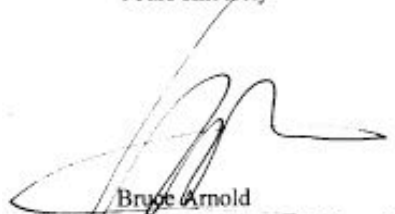
I am writing on behalf of the national New Technologies Working Party to advise you that the *Digital Environment* CD-ROM developed by Turtle Lane Studios was tabled at the NTWP meeting in Hobart earlier this week and formally accepted by the Working Party.

As the NTWP secretariat and project manager I am pleased to advise that the disk was praised as an innovative and effective multimedia product produced within a tight budgetary framework. Commendation at the meeting by experts such as Bret Mannison, Principle Consultant Digital Media in Arts Queensland will, I believe, be particularly welcome to you and your associates.

I have been impressed by your professionalism, commitment to delivering a high quality product on time and within budget, negotiating and communication skills (evident in dealing with some difficult contacts within the public and private sectors), IT expertise and grasp of strategic considerations. In particular, I am conscious that you have faced changing user requirements and deadlines, and have accommodated evolving 'visions' of the project over the past year. Your strengths as a manager, as well as a systems development expert, have been appreciated by myself and other officers responsible for the project.

I will be in touch shortly to brief you on plans for national distribution of the CD-ROM. In the interim, please do not hesitate to contact me if you have any queries or I can otherwise be of assistance.

Yours sincerely



Bruce Arnold
Intellectual Property Branch

8 July 1999