Career options: Information Technology

Virtually all large employers employ IT professionals. IT affects every business today: retail, banking, farming, teaching, transport, manufacturing, publishing, services and most other industries.

In the fast paced industry of Information Technology, traditional careers and new opportunities are evolving and expanding constantly. From software development to web design, to system and database administration, to the exciting new worlds of computer animation, digital sound and interactive entertainment, Information Technology offers a diversity of varied and fulfilling careers to suit any interests.

Depending on your area of specialisation you'll have a choice of a stimulating career in commerce, industry, government or private consulting, including:

- Software developer
- Computer network designer
- Computer games and film animator
- Digital movie producer
- Database developer/administrator
- Computer network security specialist
- Game engine designer
- 3D modeller
- Multimedia and games developer/programmer
- Internet marketing specialist
- Systems analyst
- Enterprise architect

In addition to knowledge and skills directly related to your program of study, you will also develop a range of other skills (e.g. teamwork, analytical, communication) through academic study, employment, voluntary work, sporting activities and life experience. Recognising the value employers place on these skills is an important factor in your graduate job search.

Positions and employers

Many graduate employers recruit from a wide range of disciplines. The major directory of graduate recruitment in Australia, Graduate Opportunities, lists employers by the disciplines from which they are recruiting. You might be surprised by the range of employers recruiting from your degree and the sectors of the workplace where you might establish a career.

Examples of graduate positions and employers include:
Business Systems Co-Ordinator
Clinical Systems Officer
Computer Support
Computer Systems Officer
Computing Support Officer
Creative Website Marketing Coordinator
Customer Service Engineer
Developer; Consultant
Embedded Systems Engineer
Graduate Business Analyst
Graduate Consultant
Graduate Desktop Support Officer
Graduate Enterprise Security Officer
Graduate Information Services Officer
Graduate Network Support Officer
Graphic Artist, It Support
Information Technology Officer
Information Technology Support
IT Consultant
IT Field Engineer
IT Graduate
IT Manager
IT Support Engineer
IT Project Co-Ordinator
Java Developer
Level 1 - Software Engineer
Network Administrator & Network Assistant
Network Engineer
Performance Adviser
PHP Developer
Product Support Manager
Programmer
Programmer
Programmer
Project Manager
QA Tester
Seaman Aviation Technician In Avionics
Senior Consultant
Software Developer
Software Developer
Software Developer/Analyst
Software Engineer
Software Engineer
Software Engineer
Software Support
Supply Chain Officer
Department Of Transport
Queensland Health
Griffith University
Department Of Education and Training
Griffith University
Tertiary Discovery
AWA
Integral Technology Solutions
Monduran Pty Ltd
Department Of Housing
IBM Australia Ltd
Queensland Police Service
Queensland Department Of Transport
Queensland Transport
Griffith University
Glamour Shots
Queensland Police Department;
Lang's Building Supplies
DWS Consulting Solutions
Anddescos Pty Ltd
CS Energy
Corporate Executive Offices
Axiapac Pty Ltd
Relationships Australia
Event Zero
Mincom
RSPCA Queensland Inc.
Sonair
QR
Mammoth Media
Zap Technology
Acorn Software
Bluehype Web Services
Speedwell E-Business Solutions
Sterling Systems
Queensland Health
Amlink Technologies
Royal Australian Navy
IBM Australia
Intec Billing Pty Ltd
Snowden Technologies
Pirion Systems Pty Ltd
Griffith University
IBM
Mooball It
Dialect Solutions
QR
System Analyst | Capral Aluminium Limited
---|---
Systems Support Officer | Metecno Pty Ltd
Technical Officer | Merrimac State High School
Web Engineer | Red Hat - Brisbane
Web Programmer | Digital Dams

**Vacancies on-line**

Useful sites include:

### Australia

- [Australian Defence Force Recruiting](#)
- [Australian Public Service recruitment](#)
- [Brisbane City Council vacancies](#)
- [Careercorner IT vacancies](#)
- [Graduate Opportunities](#) (the major directory of graduate recruitment in Australia)
- [JobServe](#)
- [MyCareer IT vacancies](#)
- [New South Wales Government jobs](#)
- [ProBono Australia](#) (Skilled professionals voluntary positions in not for profit organisations)
- [Queensland Government Jobs](#)
- [Seek Campus](#) (specialist Australian graduate recruitment)
- [Unijobs](#) (Vacancies of all types in Australian universities)
- [Careerjet](#) employment search engine

### International

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Targeting potential employers

Many work opportunities are not advertised. It is common practice for jobseekers to search out these opportunities. When approaching potential employers, conducting research to identify links between your selling points (your skills, experience, interests and qualifications) and an employer’s needs, increases your chances of success. Research will also reduce the number of approaches you need to make, saving you time in the end. Developing and using your personal and professional networks is also a valuable tool in finding these ‘hidden’ opportunities.

Australia

- Accounting firms in Australia
- Advertising agencies in Australia
- Australian Mining Directory
- Australian Government departments
- Australian Universities
- Australian Stock Exchange (ASX) listed companies
- Australian Suppliers Directory (AUSTRADE)
- Australian Web Designers Directory
- Banking & Finance Companies in Australia
- Digital industry companies in Australia
- Directory of the meetings & events industry in Australia
- Film and television production directory
- Financial planning & investment advice companies
- Information Industry Companies in Australia
- Infrastructure & utilities companies
- Insurance Companies in Australia
- Investment Funds Management companies
- Law firms in Australia
- Local Governments in Australia
- Logistics Consultants in Australia
- Market & social research companies in Australia
- Not for Profit organizations in Australia
- Queensland ICT directory
- Recruitment consultants in Australia
- Stockbroking companies in Australia
- Top 2000 Australian company profiles
Australian Chamber of Commerce Korea members
Australia and New Zealand Chamber of Commerce in Japan
China: Australia Beijing Chamber of Commerce members
China: Australia Shanghai Chamber of Commerce members
Indo-Australian Chamber of Commerce members
Malaysia: Australia Malaysia Business Council members
Thailand: Australia Thailand Chamber of Commerce members
Banks worldwide
Chambers of Commerce worldwide
CPA firms worldwide
Embassies & consulates worldwide
Governments worldwide
Newspapers worldwide
Stock exchanges worldwide
The 500 largest companies in America (Fortune Magazine listing)
The 500 largest companies in the world (Fortune Magazine listing)
Universities worldwide

Employment prospects and starting salaries

Grad Jobs and Dollars provides information on employment rates and median starting salaries by field of study, for Australian university graduates surveyed four months after graduation. Information on occupations Australia-wide, such as the size of the workforce, employment prospects and average weekly earnings is available from JobOutlook.

Professional associations

Joining a professional association is a great way to meet people in your field, who can assist you to explore your career options and potentially find employment opportunities. These associations exist in every field of employment and hold regular professional development and networking events. Students are welcome to join, and membership can cost as little as $60 per year.

Association for Computing Machinery
Association for Information Systems (Australasian chapter)
Association of Professional Engineers, Scientists & Managers (APESMA)
Australian Computer Society
Australian Information Industry Association
Australian Interactive Media Industry Association
Game Developers Association of Australia
Internet Industry Association
Internet Society of Australia
Network Professional Association
Queensland Society for Information Technology in Education (QSITE)
Society for Technical Communication
System Administrators Guild of Australia
Women in Technology
Other career-related links for Information Technology students

- **Certified Network Professional** The CNP is the professional designation for information technology networking professionals internationally. It was developed by the Network Professional Association (NPA). The NPA expects this designation to be recognized as the seal of approval for the profession in the same way that the Certified Public Accountant or CPA is recognized as the seal of approval for accountants.

Sample graduate job vacancies

**Department of Main Roads** (DMR) Recruitment for 2011 has begun! DMR is seeking enthusiastic graduates who have completed their studies or are nearing the end of their studies to start in 2011 as Application Services Officers or an Enterprise Security Officer.

Information Technology Graduate Positions with Transport and Main Roads!
* IT Application Development Officer (3 positions available) or Enterprise Security Officer (1 position available)
* Brisbane location
* Flexible work options
* Rolling responsibilities and ongoing professional development
* Innovative projects
* Start date: Late 2010 – Early 2011

About us:
Transport and Main Roads is looking for an active graduate student to help Enterprise Information and Systems provide strategies, architecture, systems and infrastructure to the department. Successful candidates will be self-motivated, creative, confident and innovative.

The Transport and Main Roads Graduate Program will provide graduates with; a diverse array of job placements, formal training and personal development, and, will equip them with knowledge, skills and abilities to integrate easily into mainstream departmental operations.

About your career:
On the job learning will include areas like: applications development in a range of projects, database administration and management, internal communications, information security management of information security, risk management, policy development, internet proxies, intrusion prevention systems, Public Key Infrastructure (PKI), associated ceremonies and SIEM (security information and event management) and java application development.

About your benefits:
Transport and Main Roads offers numerous remuneration benefits:
* Competitive remuneration ($58 456 - $74 598)
* 36.25 hour work week
* Salary sacrifice
* Flexible work arrangements

About you:
You will have:
* Either completed or near-completed a bachelors degree in one of the following qualifications: information technology or equivalent.
* Australian Citizenship or relevant rights to work in Australia on a full-time basis.
* A current Driver’s Licence.

About your Application
In applying for this position, you will be assessed, in particular, for:
- Strong work skills; ability to work effectively in individual or team situations;
- Written and interpersonal skills; must be flexible in approach, listen to other peoples input, and, possess good report writing ability.
- Either applied software development skills, or, databases development skills; demonstrates sound knowledge of ICT, related to databases and applies relevant procedures, systems and methodologies with guidance.

Queensland Government offers careers in a variety of information and communication technology (ICT) roles including:
* business analysis
* data analysis and database management
* enterprise architecture
* information security
* network support
* ICT procurement and contract management
* server support
* software development
* ICT project support
* ICT finance
* Information system support
* ITIL
* Spatial Information

Join the Queensland Government’s professional development program for recent graduates seeking ICT careers.

The Queensland Government ICT Career Graduate Development Program offers a diverse, challenging and rewarding two-year placement featuring:
* a competitive salary and superannuation package
* ongoing professional development
* networking opportunities with other ICT professionals
* flexible working conditions and
* the change to work on initiatives that will deliver better services to Queenslanders.

To find out more, visit www.qgcio.qld.gov.au
Protiviti is a global business consulting and internal audit firm composed of experts specialising in risk, advisory and transaction services.

Consultants work in dynamic, team-oriented environments where they define business issues, compile information and analyse data in order to present solutions to our clients. As core members of project teams, Protiviti’s Process and Technology Consultants help clients identify, prioritise and manage their risks to enhance organisational performance and business value.

A Consultant’s primary role is to develop an understanding of basic business processes, to build technical skills in general risk areas, and to help our clients review, document, evaluate and test controls, efficiencies and business management programs. Consultants spend a majority of their time at our clients’ work locations and are immersed in a variety of business situations every year.

We seek strong graduates who can adapt to a rapidly changing environment and have innovative thinking and customer service skills. You must work well in a team oriented environment as well as independently; must work creatively and analytically in a problem-solving capacity and must possess excellent leadership, communication and interpersonal skills.

We are looking for students with undergraduate or postgraduate degrees in the following disciplines:
• Accounting
• Business
• Business Information Systems
• Information Technology


Ardent Leisure Operations Ltd is one of Australia’s most successful owners and operators of premium leisure assets including Dreamworld, WhiteWater World, D’Albora Marinas, Goodlife Health Clubs, AMF, Kingpin Bowling Centres and a growing portfolio of family entertainment assets in the US. This position, based at Dreamworld on the Gold Coast and part of the Shared Services IT Team, is offering a 12 month temporary employment opportunity for an enthusiastic and self-motivated graduate.

Assisting the Group Business Analyst whilst reporting to the Group Business Systems Manager, your primary responsibility will be to support the development and maintenance of Ardent Leisure Operations group of companies’ framework and database deployments.

Key Duties Include:
* Support the development of reporting tools which provide visibility of business operations. Integrate disparate data sources to provide a unified view of operations.
* Assist in the creation and maintenance of data warehouse stores to support business reporting tools.
* Ensure reported data is accurate and available across the group whilst maintaining and developing process controls to minimise data errors and reduce consolidation time frames from source systems.

* Support the development of users to become self-sufficient in creating new reporting frameworks.

Ideally, you will have recently completed or are near completion of a Degree in Information Technology/Sciences or equivalent.

Experience in a similar role where you have gained a strong knowledge of Microsoft Reporting, Integration, Analyst Service and T-SQL scripting will be highly regarded.

To be successful in this role, you must possess well developed communication skills, a strong work ethic and customer service focus.

Flexible working environment, willing to work around your educational commitments.

Don’t miss out on this unique opportunity to work for the Ardent Leisure Group based at Dreamworld, Australia’s favourite playground.

**Updated: April 2013**

**Careers and Employment Service, Griffith University**