New Zealand
ICT
Tertiary Education & Job Series
March 2012

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Note:
Indicates new/significant change
Insights

ICT Jobs in March 2012
- NZ Seek ICT jobs adverts have increased slightly on February
- NZ Seek ICT jobs adverts are up 6% on the same month last year
- ICT jobs advertised on Seek fell 18% for Canterbury, but demand for Prince 2 qualified applicants more than doubled

Challenges facing the industry
- An acute shortage of tech skills in ICT growth areas/key computer/computing technologies, due to;
  - A continuing decline in tertiary ICT enrolments
  - A fall in the number of people admitted to NZ under the DoL Essential Skills Policy, down 3% in 2010/11
  - Accelerating technological developments; e.g. associated with cloud computing and mobile devices, fuelling demand for increasingly ‘agile’ employees

Refer Gartners Predictions for 2012
Seek & Trademe ICT Job Advert Trends
All NZ

Source: Seek ICT (Accessed March 2012)
Seek ICT Job Advert
Monthly Trends
2010 - 2012

Source: Seek ICT (Accessed March 2012)
Seek ICT Job Advert Trends
Year to March
2012

<table>
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<tr>
<th></th>
<th>Auckland</th>
<th>Waikato</th>
<th>Wellington</th>
<th>Canterbury</th>
<th>Total NZ</th>
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<td>Mar-12</td>
<td>1577</td>
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<td>853</td>
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<td>543</td>
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Source: Seek ICT (Accessed March 2012)
Seek ICT Job Advert Trends
Monthly Change
March 2012

Source: Seek ICT (Accessed March 2012)
Seek ICT Job Adverts by Industry Certification March 2012

Monthly change for:
- Microsoft – increased 22% for Wellington
- Cisco - increased 7% for all NZ
- Linux - decreased 5% for all NZ

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Source: [Seek ICT](https://www.seek.co.nz) (Accessed March 2012)
Seek ICT Job Adverts Filtered by Management Certifications
March 2012

Monthly change for:
- PMP increased
  - 16% for all NZ
  - 38% for Wellington
- Prince increased
  - 15% for all NZ
  - 40% for Wellington
- More than doubled for Canterbury

Source: Seek ICT (Accessed March 2012)
Seek ICT Job Adverts by Programming Language March 2012

- Advertised demand for Ruby [on Rails] increased by 43% on last month
- Biztalk developers – 36 job adverts for March

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Source: Seek ICT (Accessed March 2012)
Employers Will Be Looking for These Hot Tech Skills [USA] in 2012

Skills in key computer technologies, especially in software, will be in much demand, including;

- App developers [really hot]
  - .Net
  - Java
  - PHP
  - Silverlight [35]
  - Sharepoint [117]
- Mobile apps developers [177]
- Virtualisation [76]
- Business intelligence [180]

Note: [] current job adverts on Seek ICT for all NZ
Career Advice @ Monster.com cont:

➢ In-demand technology jobs [USA] in 2012
  ➢ Sales application engineers [42 sales engineers]
  ➢ CRM specialists [89]
  ➢ Security experts [692 engineers, etc]
  ➢ Technicians [46]
    ➢ Backup and recovery technicians
    ➢ Service technicians
  ➢ Field application support specialists [143]

Note: [] [] current job adverts on Seek ICT for all NZ
Seek ICT Job Adverts by Role
March 2012

- Programmer/Developer: 22%
- System Support: 18%
- Help Desk: 6%
- Network (All categories): 26%
- Mobile (Apps): 6%
- All Other Roles: 22%

Additional role - Mobile apps

Source: Seek ICT (Accessed March 2012)
Seek ICT Job Advert Trends
IT Architect
March 2012

TOGAF qualified architect salary range $130k to $150k

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New category for March 2012

Source: Seek ICT (Accessed March 2012)
Seek ICT Job Adverts
Filtered by DBA/Developer
March 2012

Source: Seek ICT (Accessed March 2012)
ICT Job Market Activity NZ

Paul Matthews @nzcs paul mentioned you:

nzcs paul Paul Matthews
@Gazza_R If it helps, I've met with heaps of orgs in the last week or two intending on hiring HEAPS of people but V worried abt lack of ppl
Mar 13, 7:40 PM via TweetDeck

Paul Matthews @nzcs paul mentioned you:

nzcs paul Paul Matthews
@Gazza_R Eg. @OrionHealth need 200+ more. @Datacom around 150 more (may have just been one division).
@TeamIntergen a bunch etc.
Mar 13, 7:42 PM via TweetDeck
ICT Job Market Activity NZ

Xero A selection of currently advertised careers [careers@xero.com]

Visual Designer NZ
Marketing Programme Coordinator NZ
Customer Support Specialist NZ
Payroll Support Team Leader AU
Vertical Sales Account Manager AU
Business Analyst NZ
Front of House NZ
Senior Account Manager NZ
Payroll Support Specialist AU
Technical Writer NZ
Senior SQL Server DBA NZ
Interaction Designers NZ
Customer Support Specialist AU/UK
Developers NZ
Lead Developer NZ
Mobile Web Developer NZ
Testers NZ
NZICT iStart
Emerging Technology Trends in 2012

- The real challenge now is **how to use fibre** to positively influence the strategic direction of your business, deliver real outcomes and create economic value for the country [Chris Quin, CEO Gen-i].

- **Tech skills shortages** will continue to be acute in ICT growth areas and those who keep up with new developments will be in demand [Paul Muckleston, Managing director Microsoft NZ].

- **Digital and social technologies** have led to a critical and permanent shift in the way organisations engage with their customers and prospective customers [Michael Friedberg, Head of marketing and communications, IBM NZ].

- As organisations rethink their approach to harnessing the power of information, they also need to establish a more sustainable approach to **managing security and risk** [Keith Watson, Managing director, Hewlett-Packard NZ].

- The **demand for social technologies** will become more mainstream in enterprise and government, driven by the desire to increase collaboration, tap into customer sentiment, strengthen business processes and accelerate informed decision making [Ian Clarke, CEO, Fronde].
Key findings from the Compendium include:

- Value of [the Australian] digital economy is $100 billion
- Revenue of ICT industry $82 billion - flat year on year
- ICT demand forecasts 14,000 jobs in 2012 and 21,000 jobs in 2013 - jobs demand in ICT growing
- University ICT annual enrolments down in NSW, VIC, QLD, WA & TAS - National enrolments less than half the number of a decade ago [refer NZ Trends January, 2012]
- ICT workers in Australia 554,700 - steady @ + 1.7%
- Temporary ICT migrants to Australia 8,530 - decline of 25%
- ICT R&D $5.2 billion - increase of 20%
- ICT exports [excluding re-exports] $4.5 billion - flat @ + 0.13%

[Refer NZCS Newsletter December, 2012, for similar ICT challenges/skill shortages facing NZ]
Key findings from the Compendium cont:

- Report confirms Australia’s urgent need for coordinated policy focus on ICT given its value and the demands in the broader economy for skills;

- “........ the number of domestic students choosing ICT as a career is insufficient to meet demand for skills”

- “Australia’s Higher ICT education enrolments are under half of what they were a decade ago and are continuing to decline as a percentage of all higher education enrolments”

- “With ICT demand of 35,000 extra jobs by 2013, promoting ICT as a rewarding career needs to be a top priority to ensure our developing digital economy is fully funded, sustained and competitive”

- “Given the importance of the digital economy to Australia’s economic prosperity, and its added value to business, health, education and other sectors, we hope addressing falls in ICT enrolments will be a key focus of 2012 government agendas

- “The compendium also revealed a drop in skilled ICT migration, suggesting Australia’s ICT employment requirements cannot be met easily. To accommodate predicted demand, additional emphasis on local uptake of ICT is required,”

[Alan Patterson, ACS Chief Executive]
News Bytes

TechRepublic – Job Opportunities

By Toni Bowers, February 27, 2012

- According to the [USA] Bureau of Labor Statistics, job opportunities for computer network, systems, and database administrators are expected to increase much faster than other occupations, by 30%, through the end of the decade

NZ DoL

- Updated employment growth forecasts for the period 2010-2015 estimate 199,600 jobs will be created at about 1.8% per annum, an increase of approximately 9% of the workforce over the five year period
- Employment growth is forecast for almost all of the higher-skilled occupations including computing professionals (up 5,200)
Conclusion

➢ Significant Challenges

➢ To address the future increasing demand for ICT skills by
  ➢ Promoting ICT as a rewarding job/career
  ➢ Increasing ICT enrolments in higher/tertiary education
  ➢ Providing incentives for skilled ICT personnel to stay in NZ [or to return to NZ after their OE]
  ➢ Encouraging skilled ICT immigrants

➢ ICT Job Market

➢ A wide/diverse range of well-paid ICT jobs/positions available, both here in NZ and overseas, to potential tertiary ICT students/graduates and skilled migrants [Refer CareersNZ]

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