New Zealand
ICT
Tertiary Education & Job Series
September 2011

garry.roberton@wintec.ac.nz

Note:

Indicates new/significant change
Insights

- Jobs [Last month ()]:
  - NZ Seek ICT jobs adverts for the month of September;
    - Auckland down 8% (-4%), Wellington down 3% (-18%) and Canterbury down 12% (-5%)
    - Waikato experienced a 22% decrease after two consecutive increases of 14% for July and 11% for August
  - All NZ fell by 7% (-8%) (Up 12% on September 2010)
  - Trademe (all NZ) decreased by 2% (-9%) (Up 13% on September 2010)
  - In May 2011 job vacancies for IT professionals, for both the UK and NZ, were 28% and 27% higher respectively than in May 2010
Seek ICT Job Trends NZ
2011

Source: Seek ICT (Accessed September 2011)
Seek ICT Job Adverts
Monthly Change for September 2011

Source: Seek ICT (Accessed September 2011)
Seek ICT Job Adverts
January to September 2011

Source: Seek ICT (Accessed September 2011)
ICT Job Adverts NZ
Seek & Trademe

2007 Peak before recession

Source: Seek ICT (Accessed September 2011)
Seek ICT Job Adverts
January to September 2011

<table>
<thead>
<tr>
<th></th>
<th>Auckland</th>
<th>Waikato</th>
<th>Wellington</th>
<th>Canterbury</th>
<th>Total NZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sep-11</td>
<td>1629</td>
<td>56</td>
<td>707</td>
<td>214</td>
<td>2662</td>
</tr>
<tr>
<td>Aug-11</td>
<td>1772</td>
<td>72</td>
<td>727</td>
<td>242</td>
<td>2870</td>
</tr>
<tr>
<td>Jul-11</td>
<td>1837</td>
<td>65</td>
<td>891</td>
<td>255</td>
<td>3127</td>
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<tr>
<td>Jun-11</td>
<td>1751</td>
<td>57</td>
<td>880</td>
<td>229</td>
<td>3000</td>
</tr>
<tr>
<td>May-11</td>
<td>1635</td>
<td>59</td>
<td>785</td>
<td>184</td>
<td>2732</td>
</tr>
<tr>
<td>Apr-11</td>
<td>1516</td>
<td>67</td>
<td>825</td>
<td>188</td>
<td>2689</td>
</tr>
<tr>
<td>Mar-11</td>
<td>1530</td>
<td>68</td>
<td>785</td>
<td>144</td>
<td>2603</td>
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<tr>
<td>Feb-11</td>
<td>1559</td>
<td>66</td>
<td>800</td>
<td>151</td>
<td>2662</td>
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<tr>
<td>Jan-11</td>
<td>960</td>
<td>42</td>
<td>532</td>
<td>123</td>
<td>1712</td>
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</tbody>
</table>

Source: Seek ICT (Accessed September 2011)
Waikato & Canterbury experienced small increases in Cisco adverts for the month.

Source: Seek ICT (Accessed September 2011)
Seek ICT Job Adverts Filtered by Management Certifications

Notes:
- PMP & Prince certifications included together in majority of management adverts
- All 3 management certifications may be referenced in the same job advert.

Source: Seek ICT (Accessed September 2011)
Seek ICT Job Adverts by Programming Language
September 2011

<table>
<thead>
<tr>
<th>Language</th>
<th>Auckland</th>
<th>Waikato</th>
<th>Wellington</th>
<th>Canterbury</th>
<th>Total NZ</th>
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<tbody>
<tr>
<td>PHP</td>
<td>342</td>
<td>19</td>
<td>125</td>
<td>36</td>
<td>522</td>
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<td>C#</td>
<td>146</td>
<td>2</td>
<td>41</td>
<td>20</td>
<td>213</td>
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<td>.NET</td>
<td>202</td>
<td>2</td>
<td>57</td>
<td>17</td>
<td>284</td>
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<tr>
<td>Java</td>
<td>367</td>
<td>8</td>
<td>134</td>
<td>42</td>
<td>561</td>
</tr>
</tbody>
</table>

Source: Seek ICT (Accessed September 2011)
Seek ICT Job Adverts
For Major Languages
August - September 2011

Inner = Aug
Outer = Sept

Note: Total adverts for all four languages declined by 8% for the month

Source: Seek ICT (Accessed September 2011)
Australia
ICT Professionals – Employment Prospects

- Employment for ICT Professionals increased by 35.8 per cent [employment for all occupations increased by 10.6 per cent]
- In the last two years, employment for ICT Professionals rose by 10.1 per cent compared with 2.5 per cent for all occupations.

**Recent Employment Growth (%) – 2 Years and 5 Years to May 2010**

Employment prospects for ICT Professionals in Australia. (Source: [AU Employment Outlook for IT Professionals](#) (Accessed September 2011))
1. Software and Applications Programmers is the largest occupation within ICT Professionals (77,000 workers or 35.3 per cent of ICT Professionals) followed by
2. Database and Systems Administration and IT Security (33,500 workers) and
3. Computer Network Professionals (32,600)

Employment Size by Occupation (‘000) – May 2010

Source: ABS Labour Force Survey cat. no. 6291.0.55.003 (DEEWR trend data); DEEWR projections to 2014-15
Australia
ICT Professionals – Employment Prospects

Employment Size by Occupation (‘000) – May 2010

1. Computer Network Professionals experienced the largest employment gain (13,900 new jobs), followed by
2. Multimedia Specialists and Web Developers (8,200) and
3. ICT Business and Systems Analysts (7,700)

Source: ABS Labour Force Survey cat. no. 6291.0.55.003 (DEEWR trend data); DEEWR projections to 2014-15
Projected average employment growth rate is 2.5 per cent per annum (Approx. 28,500 new jobs in the five years to 2014-15 (Compares with an average annual growth rate of 1.8 per cent for all occupations over the same period)

Source: ABS Labour Force Survey cat. no. 6291.0.55.003 (DEEWR trend data); DEEWR projections to 2014-15
Software and Applications Programmers projected to have the largest employment growth (increase of 15,000 jobs by 2014-15 (3.1 per cent per annum).

Source: ABS Labour Force Survey cat. no. 6291.0.55.003 (DEEWR trend data); DEEWR projections to 2014-15
News Bytes

- Orion growth means 100 extra jobs [NZ Business Herald 8th Sept 2011]: Orion currently employs about 500 staff based around the world

- Kathryn Cave (Global) – IT Skills [IDG Connect Aug 2011]:
  - Recent Manpower Group survey showed that 34% of employers worldwide are currently having trouble filling key positions with technicians, salespeople, skilled trades workers and engineers the hardest to find
  - Some estimates.....in the US alone there are about 400,000 IT jobs available because employers can't find people with the right skills
  - Australia; Capgemini [July] warned the Joint Standing Committee on the NBN that the IT skills shortage could be so severe that the only option for businesses will be offshore sourcing
  - UK; a recent Apsco survey revealed that demand for professionals sky-rocketed as businesses re-invest in IT
    - Government findings May 2011 - job vacancies for IT professionals were 28% higher than in May last year; compared to a 13% increase in job vacancies across the whole UK economy
**News Bytes**

**e-skills UK** [Aug 2011] IT employment levels hit a record high

Key findings [October to December 2010 period]:

- The number of advertised vacancies for IT&T staff rose for the sixth consecutive quarter to 105,000
- The count of ‘ready candidates’ (in/out of work IT&T staff that were seeking new/additional jobs) declined to 95,000
- There were an estimated 1,093,000 IT&T professionals working in the UK during the final quarter of 2010 – the highest number ever recorded
Conclusion:

- NZ ICT jobs adverts compared with September 2010 [previous month ()];
  - Seek up 12% (+24%)
  - Trademe up 13% (+18%)
- In the Australian ICT job market;
  - In the last two years to May 2010, employment for ICT Professionals rose by 10.1 per cent compared with 2.5 per cent for all occupations.
  - Projected average employment growth rate is 2.5 per cent per annum, equating to approximately 28,500 new jobs in the five years to 2014-15
  - Software and Applications Programmers is the largest occupation within ICT Professionals (77,000 workers or 35.3 per cent of ICT Professionals)
- In the UK job vacancies for IT professionals were 28% higher in May 2011 (27% for NZ) than in May last year, compared to a 13% increase in job vacancies across the whole UK economy

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Additional Information for Schools
Competitions & Assessments

- Cisco Academy Netriders
- The 2011 VEX Robot World Cup
- Programming Challenge for Girls [23 November]
- NZ Programming Contest
- Software Resources for all Educational Levels [Te Kete Ipurangi]
- Brightsparks [ETITO]

Other Resources

- The University of NSW International Competitions & Assessments for Schools [ICAS]
- Computer Clubhouse