New Zealand
ICT
Tertiary Education & Job Series
May 2012

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Note:
Indicates new/significant change
Insights

NZ Tertiary Sector IT Enrolments from 2007 to 2010
- Diploma:
  - 36% increase, but 1,700 fewer enrolments in 2010 than in 2002
- Degrees:
  - 14% increase, but 4,200 fewer enrolments in 2010 than in 2002

Seek ICT NZ Job Adverts in May 2012
- Total job adverts:
  - increased 14% for the month
  - are up 2% on May 2011
  - are up 30% on May 2010
- Monthly change by major region:
  - Auckland up 8%
  - Wellington up 27%
  - Canterbury up 10%
NZ Tertiary Sector IT EFTS Enrolment Trends [Total Domestic & International] 2002 to 2010

Source: Education Counts (Accessed May 2012)
NZ Tertiary Sector IT EFTS Enrolment Trends [Total Domestic & International] 2003 to 2010

Source: Education Counts (Accessed May 2012)
NZ Tertiary Sector IT EFTS
International Enrolment Trends
2004 - 2010

Source: Education Counts (Accessed May 2012)
NZ Tertiary Sector IT EFTS
Domestic Enrolment Trends
2007 - 2010

Source: [Education Counts](http://www.educationcounts.govt.nz) (Accessed May 2012)
Seek & Trademe
ICT Job Advert Trends
All NZ

2007 Peak before recession

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

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

<table>
<thead>
<tr>
<th></th>
<th>Auckland</th>
<th>Waikato</th>
<th>Wellington</th>
<th>Canterbury</th>
<th>Total NZ</th>
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</thead>
<tbody>
<tr>
<td>May-12</td>
<td>1520</td>
<td>40</td>
<td>878</td>
<td>243</td>
<td>2784</td>
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<tr>
<td>Apr-12</td>
<td>1407</td>
<td>45</td>
<td>689</td>
<td>221</td>
<td>2438</td>
</tr>
<tr>
<td>Mar-12</td>
<td>1577</td>
<td>48</td>
<td>853</td>
<td>218</td>
<td>2768</td>
</tr>
<tr>
<td>Feb-12</td>
<td>1539</td>
<td>61</td>
<td>805</td>
<td>266</td>
<td>2753</td>
</tr>
<tr>
<td>Jan-12</td>
<td>1087</td>
<td>32</td>
<td>543</td>
<td>185</td>
<td>1904</td>
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</tbody>
</table>

Source: Seek ICT (Accessed May 2012)
Seek ICT Job Advert Trends
Change for the Month of May 2012

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

Monthly change for;
- Microsoft: 35% increase for Wellington [-36% last month]
- Cisco: 53% increase for Wellington
- Linux: 5% increase for all NZ [-6% last month]

<table>
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<th>Canterbury</th>
<th>Total NZ</th>
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</thead>
<tbody>
<tr>
<td>Microsoft</td>
<td>245</td>
<td>4</td>
<td>115</td>
<td>44</td>
<td>428</td>
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<tr>
<td>Cisco</td>
<td>128</td>
<td>4</td>
<td>52</td>
<td>15</td>
<td>214</td>
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<tr>
<td>Linux</td>
<td>507</td>
<td>7</td>
<td>198</td>
<td>71</td>
<td>783</td>
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</tbody>
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Source: Seek ICT (Accessed May 2012)
Seek ICT Job Adverts Filtered by Management Certifications
May 2012

Monthly increase for all NZ;
- PMP 41%
  - 62% for Wellington
- Prince 35%
  - 53% for Wellington
- ITIL increased 31%
  - 45% for Wellington

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

The largest monthly increases occurred for Wellington;

- .NET.................27%
- PHP..................21%
- Java..................14%

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<tr>
<th></th>
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<th>Wellington</th>
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<th>Total NZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>.NET</td>
<td>243</td>
<td>2</td>
<td>75</td>
<td>40</td>
<td>365</td>
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<tr>
<td>PHP</td>
<td>415</td>
<td>4</td>
<td>150</td>
<td>62</td>
<td>651</td>
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<td>C#</td>
<td>194</td>
<td>0</td>
<td>42</td>
<td>37</td>
<td>277</td>
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<td>Java</td>
<td>441</td>
<td>6</td>
<td>193</td>
<td>58</td>
<td>713</td>
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</table>

Source: Seek ICT (Accessed May 2012)
Seek ICT Job Adverts by Role
May 2012

Note: No significant change for the month

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

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

<table>
<thead>
<tr>
<th>Region</th>
<th>TOGAF 9</th>
<th>VMware</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auckland</td>
<td>14</td>
<td>40</td>
</tr>
<tr>
<td>Wellington</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>Canterbury</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Waikato</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Total NZ</td>
<td>23</td>
<td>73</td>
</tr>
</tbody>
</table>

Note: A growing demand for TOGAF qualified applicants;
- All NZ Increased 92%
- Auckland increased from 4 to 14 advertised jobs
- Waikato: [Project Manager Services](#) - Waikato District Health Board

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

Monthly increase;
- 14% for Oracle & SQL for all NZ
- Wellington; Oracle 28% & SAP 25%

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</tr>
</thead>
<tbody>
<tr>
<td>SQL Server</td>
<td>209</td>
<td>79</td>
<td>32</td>
<td>3</td>
<td>331</td>
</tr>
<tr>
<td>SAP</td>
<td>584</td>
<td>234</td>
<td>64</td>
<td>11</td>
<td>911</td>
</tr>
<tr>
<td>Oracle</td>
<td>558</td>
<td>287</td>
<td>66</td>
<td>9</td>
<td>940</td>
</tr>
</tbody>
</table>

Source: Seek ICT (Accessed May 2012)
According to a recent Gartner survey the top ten information technology priorities are:

- Analytics and business intelligence
- Mobile technologies
- Cloud computing (SaaS, IaaS, PaaS)
- Collaboration technologies (workflow)
- Virtualization
- Legacy modernization
- IT management
- CRM
- ERP applications
- Security
IT Workers’ Salaries USA

- Average salary registered a 6.2% gain, the highest increase in the Global Knowledge and TechRepublic's annual IT Skills and Salary Survey’s five year history.
- Salaries grew the most for those involved in:
  - security
  - database
  - data centre
  - servers and storage
- 63% of respondents received a raise, but
  - Individuals earning $60,000 or less were much less likely to receive a raise than their colleagues in higher earning brackets.
- 65% of respondents reported earning a certification in the past five years (reportedly leading to greater job satisfaction & effectiveness).

(Acknowledgement: Link referred by Garry Johnston, IT Director, Wintec)
10 IT job roles that are hardest to fill (Justin James April, 2012)

- **IT trainer**
  - Requires a unique skill set and often a need to travel

- **Project manager**
  - Requirement for PMP certification

- **CIO/CTO/director of IT/etc.**
  - Requires someone who has good “crossover” skills (technical & leadership skills)

- **Help desk staff**
  - Pay rates often far less than the person desired/being hired will accept

- **Specialized programmer**
  - There is a high demand for a relatively small number of specialized developers available
TechRepublic Opinion Piece Cont.

- **Pre-sales engineer**
  - Requires a diverse range of talents beyond the technical and often requires a lot of travel

- **Technical writer**
  - Hard to find people who can write coherently, in a language that the end user can grasp, *and* who understand the technical side of things

- **Product evangelist**
  - The right person needs to have an absolute passion for the work and for the company and its specific products, as well as the technical knowledge and soft skills to handle the job

- **IT author**
  - The number of IT authors who can consistently produce high quality content year in and year out is extremely limited

- **Maintenance/legacy programmer**
  - Few programmers are willing to take these jobs because they are the kiss of death for a career.
Enrolments

The IT industry should be very concerned that there were over 3000 fewer tertiary sector ICT combined diploma and degree enrolments in 2010 than in 2003. This reflects a global trend.

It’s great, therefore, to see the strong level of support by the IT industry for the NZ Computer Society’s [PDF] ICT-Connect in-school programme, designed to evangelize a bright future in IT.

Job Adverts

This month’s 14% increase in ICT job adverts on Seek ICT NZ is in contrast to last month’s 14% decline.

Perhaps the April downturn was an aberration that can be attributed to the Easter and ANZAC holidays!

Mobile Apps – Refer NZCS Newsline May 9th 2012

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