New Zealand
ICT
Tertiary Education & Job Series
September 2012

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Note:

Indicates new/significant change
Insights for September 2012

- Trademe IT Job Adverts:
  - A decrease of 11 per cent for the month

- Seek ICT NZ Job Adverts:
  - Total job adverts;
    - Down 10.3 per cent for the month
      - This is the second time that job ads have dropped below 2,500 in 2012 (indicating a stronger fill rate - perhaps?)
    - Down 8.0 per cent on September 2011
    - Just 3 per cent up on September 2010

- Monthly change by region:
  - Auckland down 13.7 per cent
  - Waikato up 31 per cent
  - Wellington down 13.7 per cent
  - Canterbury up 5 per cent

Note: Data analysis performed on Friday 14th Sept.
Seek & Trademe
ICT Job Advert Trends
All NZ

2007 Peak before recession

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

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

Source: Seek ICT (Accessed September 2012)
Seek ICT Job Advert Trends
Year to September 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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<tbody>
<tr>
<td>Sep-11</td>
<td>1315</td>
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<td>679</td>
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<tr>
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<td>543</td>
<td>185</td>
<td>1904</td>
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</tbody>
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Source: Seek ICT (Accessed September 2012)
Seek ICT Job Adverts
by Industry Certification
September 2012

Monthly change for:
- **Microsoft**:
  - Auckland increased........20.7%
- **Linux**:
  - All NZ decreased...........9%
  - Auckland decreased.......19.7%
  - Increase for Wellington..18%
- **Cisco**:
  - All NZ decreased...........11%
  - Auckland decreased......19%

<table>
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<tr>
<th>Industry</th>
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<th>Waikato</th>
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<th>Canterbury</th>
<th>Total NZ</th>
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<tbody>
<tr>
<td>Microsoft</td>
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<td>111</td>
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<tr>
<td>Cisco</td>
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<td>6</td>
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<tr>
<td>Linux</td>
<td>527</td>
<td>20</td>
<td>203</td>
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<td>751</td>
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Source: [Seek ICT](http://www.seek.co.nz) (Accessed September 2012)
Seek ICT Job Adverts Filtered by Management Certifications
September 2012

Monthly change for:
- **PMP**
  - Wellington down 8.5%
  - Canterbury up 44%
- **Prince**
  - Canterbury up 62.5%
- **ITIL**
  - All NZ up 7%
  - Wellington up 11%
  - Canterbury up 55%
  - Waikato up 75%

Source: [Seek ICT](Accessed September 2012)
Decreases occurred for all NZ:
- Java .................... 9%
- C#......................... 6%
- PHP....................... 5%

Increases occurred for .NET:
- Wellington.. 19%
- Canterbury.. 32%
- All NZ ........... 4%
- C# (Wellington)... 14.5%

Auckland experienced decreases for:
- Java .................... 14%
- C#......................... 12%
- PHP....................... 16%

Source: Seek ICT (Accessed September 2012)
No headline for this month; i.e. no changes of any significance

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

- Programmer/Developer: 566
- System Support: 503
- Help Desk: 174
- Network (All categories): 290
- Mobile (Apps): 1040

Note: System Support has increased from 681 jobs last month to 1040 – Why?

Seek ICT Job Adverts
Mobile Apps Distribution by Major Regions

- Auckland: 59%
- Wellington: 28%
- Canterbury: 13%

Source: Seek ICT (Accessed September 2012)
Increases occurred this month for:
- All NZ up 18%
- Wellington up 14%
- Canterbury up 250%
  (obviously on small numbers)

Source: Seek ICT (Accessed September 2012)
Seek ICT Job Advert Trends
Cloud Category by Role
September 2012

Source: Seek ICT (Accessed September 2012)
Seek ICT Cloud-based Job Adverts Examples for the month of September

Senior Web .NET Dev: Rapid growth for cloud-based software vendor, ASP.NET, MVC3  
Potentia: NZ’s Favourite IT Recruiter at the Seek Awards 2008-2010  
Lean, seamless, scalable product suite for integrated inventory management, global audience of e-tailers, work with eBay & shopify to build PaaS tech  
Information & Communication Technology > Developers/Programmers  
Add to shortlist

Intermediate C# Web: Rapid growth for cloud-based software vendor, ASP.NET, MVC3  
Potentia: NZ’s Favourite IT Recruiter at the Seek Awards 2008-2010  
Lean, seamless, scalable product suite for integrated inventory management, global audience of e-tailers, work with eBay & shopify to build PaaS tech  
Information & Communication Technology > Developers/Programmers  
Add to shortlist

Source: [Seek ICT](http://www.seek.co.nz) (Accessed September 2012)
**Seek ICT Job Advert Trends**
**IT Architect**
**September 2012**

![Bar chart showing job advert trends for IT Architects in Auckland, Wellington, Canterbury, and Waikato.]

**Note:** Demand for all NZ for both TOGAF 9 & VmWare qualified applicants is down this month;
- TOGAF 9 down 36 per cent
- VmWare down 24 per cent

**Absolute IT Permanent Salary for Architect (medium quartile)** $115,500

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<tr>
<td>TOGAF 9</td>
<td>5</td>
<td>8</td>
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<td>0</td>
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<tr>
<td>VmWare</td>
<td>38</td>
<td>19</td>
<td>0</td>
<td>6</td>
<td>72</td>
</tr>
</tbody>
</table>

Source: [Seek ICT](http://www.seekict.com) (Accessed September 2012)
A very large monthly increase for SQL Server:
- All NZ up 156 per cent
- Auckland up 104 per cent
- Wellington up 218 per cent
- Canterbury up 126 per cent
- Waikato up 229 per cent

SAP & Oracle down 8 & 7 per cent respectively for all NZ

Source: Seek ICT (Accessed September 2012)
News Bytes
ITU ICT Facts & Figures

One third of the world’s population is online
45% of Internet users below the age of 25

Share of Internet users in the total population

- The world is home to 7 billion people, one third of which are using the Internet. 45% of the world’s Internet users are below the age of 25.

- Over the last five years, developing countries have increased their share of the world’s total number of Internet users from 44% in 2006, to 62% in 2011. Today, Internet users in China represent almost 25% of the world’s total Internet users and 37% of the developing countries’ Internet users.

Source: (ITU Accessed September 2012)
News Bytes

- For the second year running, ICT salaries in Australia have grown by approximately 4 per Cent (Australian Computer Society (ACS))
- The median remuneration package for ICT professionals was AU$117,500 for the private sector, AU$112,459 for public servants, and AU$100,211 for education workers.

Annual % Increase in Salary by Industry Grouping

- Total: 3.9%
- Business Services: 2.5%
- Consulting & tech services: 2.8%
- Computer services: 3.2%
- Insurance: 3.5%
- Education: 3.5%
- Food, beverage & tobacco: 3.5%
- Banking/finance: 3.7%
- Retail: 3.8%
- Other: 4.1%
- Health: 4.1%
- Public admin: 4.1%
- Transport and storage: 4.3%
- Computer software manufacture: 4.3%
- Electricity & gas supply: 4.4%
- Defence: 4.8%
- Communications inc Telstra: 5.0%
- Mining: 5.6%

Source: [TechRepublic](http://www.techrepublic.com) Accessed September 2012
The lack of deep technical skills in cyber security is the principal reason that many organisations are unable to defend their computers and networks and data. The government has only just realised that a shortage of computer engineers will "shaft" the UK economy. The number of students taking Computing, ICT or Information Technology A-levels fell again in 2012, down 35 per cent.

Shortfall of just over 8,000 ICT workers in Australia not uniform – too many ICT managers and technicians and not enough ICT professionals.

Two thirds (66%) of companies from a wide range of industries are severely impacted by a shortage of ICT skills.

Dell Malaysia has several initiatives in place to overcome the skill shortage. Positions in IT security, forensic IT, voice-over-IP, networking, software development currently in high demand due to the global environment.

A growing shortage in security staffing and skills is creating a seller's market for security professionals. Companies requiring a certification, such as CISSP, are up 34 per cent this year and the average CISSP-certified employee makes an average of $97,000 a year.
Global Scene

- **ARN Australia** Latest Clarius Skills Index report showed an 'extreme' shortage of 8258 ICT professionals in the June quarter, as compared to a shortage of 5500 workers in the March quarter. New technologies like Cloud computing, mobile development, information management and business intelligence are draining existing skill pools. When coupled with diminishing university enrolments the shortage will accelerate further.

- **Business Day (NZ)** At least 25 of the roles on INZ's Long Term Skill Shortage List are in ICT. According to Bennett Medary, chair of the New Zealand Information and Communications Technologies Group (NZICT) the source of the skills shortages problem isn't policy but execution. "The government does research and creates policy but the policy outcomes fall far short of the goal or are in contradiction because there are so many layers of obstruction between policy-making, execution and reality."

- **NZ Herald** Statistics NZ has released data showing the number of jobs in the CS design (CSD) industry grew by 78 per cent between 2000 and 2010 – equates to 28,200 workers, contributing about 1.3 per cent to New Zealand's gross domestic product by 2010.

- **Dutch News (Holland)** (IT sector association ICT-office) An increasing number of technical jobs are moving overseas. At the same time, the Netherlands is being affected by a shortage of workers with high-value experience and skills. Many firms are now using freelance technicians, who are cheaper than large companies.
Conclusion

Demand for Skills

- Seek ICT job ads for this month have fallen to just above 2010 levels
- Trademe IT job ads for this month have also fallen significantly
- Gains in job ads for ITIL Management Certification and for SQL Server (all regions) make these categories the big winners for this month
- Waikato has an impressive 31 per cent gain in total job ads for this month
- Globally the shortage of ICT workers with the necessary skills continues, exacerbated by an ongoing downturn in CS and ICT/IT enrolments


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