New Zealand
ICT
Tertiary Education & Job Series
October 2012

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Note:
Indicates new/significant change
Insights for September 2012

- **Trademe IT Job Adverts:**
  - Another decrease of 4 per cent for the month (11 per cent last month)

- **Seek ICT NZ Job Adverts:**
  - Total job adverts;
    - Up 1 per cent for the month following a 10.3 per cent decrease last month
    - Down 8.0 per cent on October 2011, identical to the September comparison
    - Just 4 per cent up on October 2010
  - **Monthly change by region:**
    - Auckland up 2.4 per cent (down 13.7 per cent for September)
    - Waikato down 43 per cent (up 31 per cent last month)
    - Wellington up 6 per cent (down 13.7 per cent last month)
    - Canterbury down 6.6 per cent (up 5 per cent last month)

Note: Data analysis performed on Monday 15th October 2012.
Seek & Trademe ICT Job Advert Trends
All NZ

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

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

- Auckland: -50.0%
- Waikato: -40.0%
- Wellington: -30.0%
- Canterbury: -20.0%
- Total NZ: -10.0%

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

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

Monthly change for:
- Microsoft:
  - Wellington increased......12.6%
- Linux:
  - All NZ increased.............11%
  - Auckland decreased.........3%
- Cisco:
  - All NZ increased.............4%
  - Auckland increased......21%
  - Wellington decreased..24.6%

<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>Microsoft</td>
<td>207</td>
<td>12</td>
<td>125</td>
<td>64</td>
<td>434</td>
</tr>
<tr>
<td>Cisco</td>
<td>103</td>
<td>6</td>
<td>49</td>
<td>21</td>
<td>194</td>
</tr>
<tr>
<td>Linux</td>
<td>527</td>
<td>20</td>
<td>203</td>
<td>80</td>
<td>832</td>
</tr>
</tbody>
</table>

Source: Seek ICT (Accessed October 2012)
Seek ICT Job Adverts Filtered by Management Certifications
October 2012

The only significant monthly change:

- **ITIL:**
  - All NZ down 7% (up 7% last month)
  - Waikato down 71% (up 75% last month) (on small numbers)

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

- Java increased...............8%
- C# decreased...............9%
- PHP increased...............5%
- .NET decreased.............10%
- Decreases occurred for .NET;
  - Auckland............5%
  - Canterbury........16%
- PHP increased for;
  - Auckland...............9%
  - Wellington.............8.6%

Source: Seek ICT (Accessed October 2012)
Notes: Increased demand this month for:

- System Support; up from 1040 to 1140 (a 9.6 per cent increase)
- Mobile apps increased 9 per cent for all NZ and 21 per cent for Auckland
- Prog/Dev category increased 7 per cent

Source: [Seek ICT](Accessed October 2012)
Mobile Apps Job Advert Examples

316 Information & Communication Technology jobs containing mobile applications in New Zealand

Mobile Applications Developer | Auckland's happiest Dev team
Enterprise Recruitment
Great opening for intermediate dev - work with all the latest mobile tools - happy motivated team - excellent package - salary, benefits, bonus

Information & Communication Technology > Developers/Programmers
Add to shortlist

Mobile Applications Developer iOS
Thu 11 Oct
to $80,000 plus benefits
Auckland
⇒ Auckland Central

Android Mobile Application Developer
Fuse IT Recruitment
• Android development with a solution focus for well known clients
• Rapidly growing Technology Company with significant room for personal growth
• Sleek and modern office in a central Auckland location

Great opportunity to take command of your career. Growing organisation involved with exciting projects in the mobile space. An Android focused role.

Information & Communication Technology > Developers/Programmers
Add to shortlist

Android Mobile Application Developer
Fri 05 Oct
$75,000 - $84,999
Auckland
⇒ Auckland Central

Source: Seek ICT (Accessed October 2012)
Increases occurred this month for:

- All NZ; up 22.6% (+18% last month)
- Auckland up 35%
- Wellington up 30% (+14% last month)

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

Increases occurred this month for the following roles:

- Administrator 200 per cent
- Analyst 13.5 per cent
- Consultant 62.5 per cent

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

103 Information & Communication Technology jobs containing cloud in New Zealand

Infrastructure Engineer - Cloud computing Platform
Sway Recruitment
- Exciting Cloud implementation project
- Demonstrate your infrastructure experience
- Globally known leading Auckland software house

Infrastructure Engineer - Cloud computing Platform

Senior Network & Cloud engineer
ICT Worldwide Limited
- Rapidly growing Cloud Platform provider
- Physical and virtual network and security
- Challenging and stimulating environment

Fantastic opportunity for a highly skilled Network Engineer looking to grow into the Cloud-based virtual networking and security environment.

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

Note:
- The demand for TOGAF 9 qualified applicants is insignificant. The IT Architect category will be discontinued next month.
- The demand for VmWare has increased this month;
  - 18% for all NZ
  - 26% for both Auckland & Wellington
  - 5 jobs in Canterbury – up from zero

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

Monthly increases for all NZ for all categories:
• SQL Server up 9.6% (Ak 14.5%)
• SAP up 6.6%...........(Ak up 9%)
• Oracle up 10.5%.....(Ak up 12%)

Source: Seek ICT (Accessed October 2012)
### 10 most In-demand job titles for computer science majors and their salaries

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software engineer</td>
<td>$93,000</td>
</tr>
<tr>
<td>Systems Engineer</td>
<td>$91,000</td>
</tr>
<tr>
<td>Software developer</td>
<td>$89,000</td>
</tr>
<tr>
<td>Java Developer</td>
<td>$98,000</td>
</tr>
<tr>
<td>Business analyst</td>
<td>$84,000</td>
</tr>
<tr>
<td>.Net developer</td>
<td>$91,000</td>
</tr>
<tr>
<td>Web developer</td>
<td>$82,000</td>
</tr>
<tr>
<td>Systems administrator</td>
<td>$77,000</td>
</tr>
<tr>
<td>Project Manager</td>
<td>$93,000</td>
</tr>
<tr>
<td>Network engineer</td>
<td>$91,000</td>
</tr>
</tbody>
</table>

*Source: [TechRepublic](http://www.techrepublic.com) (Accessed October 2012)*
Australian IT - job numbers continue sinking

<table>
<thead>
<tr>
<th></th>
<th>ICT Professionals</th>
<th>Engineering, ICT and Science Technicians</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sydney</td>
<td>7369</td>
<td>6543</td>
</tr>
<tr>
<td>Melbourne</td>
<td>4007</td>
<td>3945</td>
</tr>
<tr>
<td>Brisbane</td>
<td>1703</td>
<td>1896</td>
</tr>
<tr>
<td>Adelaide</td>
<td>337</td>
<td>427</td>
</tr>
<tr>
<td>Perth</td>
<td>773</td>
<td>1011</td>
</tr>
<tr>
<td>Hobart</td>
<td>46</td>
<td>27</td>
</tr>
<tr>
<td>Darwin</td>
<td>43</td>
<td>42</td>
</tr>
<tr>
<td>Canberra</td>
<td>1052</td>
<td>1198</td>
</tr>
</tbody>
</table>

Source: TechRepublic (Accessed October 2012)
Local Scene

- **Orion Health launches Code Club** to get kids interested in IT
  - Not enough graduates to meet the IT skill shortage
  - Orion Health is hoping Code Club will help shift the perception of IT as “being about geeks and nerds working in dimly lit rooms” to a job that is open and collaborative
  - The company is working on a web portal where students can learn how to code with a view to earning NCEA credits
  - Orion Health employs 680 people and currently has 106 job vacancies

- **Australian IT - job numbers continue sinking**
  - The Department of Education, Employment and Workplace Relations (DEEWR) has released its latest online vacancy report
  - Over the year, to July 2012, the number of skilled online vacancies has fallen 16.1 per cent
  - The strongest decline in the entire report is recorded for engineering, ICT and science technicians, which are down 27 per cent
  - The demand for ICT professionals has fallen by 24.6 per cent in the past twelve months
Global Scene

ARNAustralia  ITCRA and Prolearn offer ICT contractor education program

- Aimed to assist in securing ICT jobs, while assessing where the supposed skills shortages lie
- The initial program is rolling out in Victoria, currently underway in Melbourne, and will take three months to complete
- If successful, ITCRA will look to implement it nationally, and across New Zealand

SA’s ICT job landscape

- Although faced with an unemployment rate of close to 25%, South Africa is seeing massive demand for skills in the ICT sector largely unaffected by the challenging economic climate
- The booming demand for IT skills in South Africa has been echoed by the department of education, which recently highlighted that developing skills in ICT was vital for economic growth and further job creation
- In June 2012, Career Junction’s Career Index showed a 25% growth in the South African ICT sector, year-on-year

TechRepublic  USA - The growing field of computer science: Where are the jobs?

- According to the Dept. of Labour, the level of employment for computer scientists is expected to increase 19 per cent from now until 2020
- This increase correlates directly with the demand for college graduates with a degree in this field
Global Scene

➢ **UK - New computing skills** for local pupils and teachers
  - Sheffield Hallam University’s departments of computing and teacher education are running a series of interactive workshops
  - The UK government has announced that the current information and communications technology (ICT) curriculum in England's schools will be replaced by lessons in computer science and programming
  - It is hoped the new curriculum will address the skills shortage in the UK computing industry

➢ **Nigeria: IBM Boosts ICT Skills of Nigerian Entrepreneurs**
  - According to IBM skills shortage(s) (and a lack of) education and business management knowledge have been identified as the bane of the SME sector in Nigeria
  - IBM recently held a workshop for 30 young entrepreneurs in a variety of industries, teaching them how to manage and grow their businesses more effectively
Demand for Skills

- Seek ICT job ads for the month of October;
  - Overall rose marginally (still below 2,500), while Trademe IT job ads were slightly down again
  - Significant increases for the cloud category once again, especially for the roles of administrator, analyst and consultant
  - Healthy increases for DBA/Developer roles; i.e. SQL Server, SAP and Oracle
  - Increased demand for Mobile Apps developers, especially in Auckland
- Globally the shortage of ICT workers with the necessary skills continues, exacerbated by a continuing downturn in CS and ICT/IT enrolments

Conclusion