New Zealand

ICT

Tertiary Education & Job Series

October 2011

garry.roberton@wintec.ac.nz

Note:

Indicates new/significant change
Insights

Jobs [Last month ()]:

- NZ Seek ICT jobs adverts for the month of October;
  - All NZ rose by 1% (-7%) (Up 13% on October 2010) in spite of other negative economic indicators
  - Auckland down 1% (-8%), Wellington up 2% (-3%) and Canterbury up a significant 9% (-12%)
  - Waikato experienced a 2% increase (-22%)

- Trademe (all NZ) increased by 2% (2%) (Up 1.6% on September 2010)
- ICT jobs in Canterbury have increased from 123 to 236 (92%) for the year to October

Pay disparity in New Zealand’s ICT sector:

- Still a significant gap with women earning an average of 7.8% less than salaried men, while the average contract hourly rate for women is 12.5% lower than for men

Linked readings: ICT Trends: The talent pipeline and women in tech
Seek IT Job Trends NZ
2011

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

Source: Seek ICT (Accessed October 2011)
Seek ICT Job Advert Trends
Year to October 2011

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

Source: Seek ICT (Accessed October 2011)
Seek ICT Job Adverts
Year to October 2011

<table>
<thead>
<tr>
<th>Month</th>
<th>Auckland</th>
<th>Waikato</th>
<th>Wellington</th>
<th>Canterbury</th>
<th>Total NZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct-11</td>
<td>1612</td>
<td>57</td>
<td>723</td>
<td>236</td>
<td>2692</td>
</tr>
<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>
</tr>
<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>
</tr>
<tr>
<td>Feb-11</td>
<td>1559</td>
<td>66</td>
<td>800</td>
<td>151</td>
<td>2662</td>
</tr>
<tr>
<td>Jan-11</td>
<td>960</td>
<td>42</td>
<td>532</td>
<td>123</td>
<td>1712</td>
</tr>
</tbody>
</table>

Source: Seek ICT (Accessed October 2011)
Seek ICT Job Adverts Oct 2011
Full Time & Part time/Contract/Temp/Casual

Comparison by Main Regions

Doughnuts
Inside=F/T
Outside=Contract/etc

Auckland
Wellington
Canterbury

84%
16%
28
217
126
621
271
1397

All NZ

Source: Seek ICT (Accessed October 2011)
Linux jobs in the Waikato increased 50%, while for Microsoft jobs Auckland decreased 16% and Wellington increased 20%.

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

Notes:
- All 3 management certifications may be referenced in the same job advert.

Source: Seek ICT (Accessed October 2011)
Java & .NET increased by 9% & 21% respectively on September totals

PHP & C# also experienced monthly increases

C++ added to enable comparison with TIOBE index [Top five: Java, C, C++, PHP & C#]

Source: Seek ICT (Accessed October 2011)
Seek IT Job Adverts
Comparison by Languages
Sept - Oct 2011

Note: Total adverts for all four languages increased by 11.5% for the month

Source: Seek ICT (Accessed October 2011)
TIOBE [The Importance of Being Earnest]
Programming Community Index for October 2011

*Java* remains the No.1 programming language in the top 20

Source: TIOBE (Accessed October 2011)
Despite new version 7 release Java loses ground

- Java lost almost 1% of its popularity in September
- C will be number one again next month, if this trend continues

Other observations;
- Both Objective-C and Transact-SQL score new all time highs
- Assembly re-entered the top 20
- Visual Basic.NET gained many places (from #39 to #25)
- F# had a hard time (from #23 to #46)

Note: The TIOBE Programming Community index is an indicator of the popularity of programming languages. The index is updated once a month. The ratings are based on the number of skilled engineers world-wide, courses and third party vendors. The popular search engines Google, Bing, Yahoo!, Wikipedia, YouTube and Baidu are used to calculate the ratings.
Absolute IT Salary Report NZ
Permanent Salary Data
Nov-10 to Aug-11

Source: Absolute IT (Accessed October 2011)
Absolute IT Salary Report NZ
Percentage Change
Nov-10 to Aug-11

Percentage Change

-20.0%  -15.0%  -10.0%  -5.0%  0.0%  5.0%  10.0%  15.0%  20.0%  25.0%

Source: Absolute IT (Accessed October 2011)
Summary of [Absolute IT] Key Findings:

- In the past 9 months
  - Software Development, Testing, Web Developers, and Managers experienced remuneration increases
  - Sales Execs/Account Managers, all levels of Software Architects, IT Security and Network Administration experienced remuneration decreases
- *17,182 roles are permanent salaries, up by 2,643 salaries
- *3,348 roles are contract/part-time/casual/Interim rates up by 340
  *Corresponds with the Seek ICT job advert ratio of 80:20

Pay parity in New Zealand’s ICT sector:

Still a significant gap with salaried men earning an average of 7.8% more than women, while the average contract hourly rate for men is 12.5% higher than for women

Source: Absolute IT (Accessed October 2011)
activeTechPros IT Salary & Skills
Report 2011 NZ
Annual Salary by Job Function and Region (NZD)

Source: ActiveTechPros (Accessed October 2011)
Source: ActiveTechPros (Accessed October 2011)
Top Ten Professional Certifications
Ranking & Percentage of Respondents
2011

1. Microsoft Certified Professional (MCP) - 16%
2. A+ Certification - 14%
3. Microsoft Certified Systems Engineer (MCSE) - 9%
4. Cisco Certified Network Associate (CCNA) - 9%
5. Network + - 8%
6. Microsoft Certified System Administrator (MCSA) - 6%
7. Citrix Certification - 4%
8. Project Management (PMP) - 4%
9. IBM certification - 3%
10. HP certification - 3%

Source: ActiveTechPros (Accessed October 2011)
News Bytes

ICT Industry Confidence:
- A survey by recruitment firm Hudson finds ICT industry confidence growing 3.9 per cent to 42.7 percent, compared with national two-year low in confidence of just 27.9 per cent across all industries.

ICT industry faces skills shortage:
- The Australian ICT industry is facing a shortfall of 2700 computing professionals, adding to a looming skills shortage.
- Retention strategies more important than ever to prevent staff from defecting to competitors. “There have already been wage increases of between five and ten per cent across the industry with evidence of 20 per cent hikes in Western Australia”

E-skills UK warns of an alarming 23 percent [33%?] fall in the number of students taking a GCSE in ICT:
(https://news.idg.no/cw/art.cfm?id=694C893B-1A64-6A71-CF28E47493E0727D)
- Decline in GCSE numbers was "especially concerning given the economic importance of IT to the UK economy“
- "IT must be taught in a way that is relevant and inspiring to young people, that capitalises on the interests and aptitudes of young people, and that demonstrates the exciting and dynamic opportunities a career in IT offers”
Conclusion:

- October has seen a small increase of 2% in Seek IT NZ advertised jobs, after a decline for two consecutive months
- Java loses ground this month despite the new version 7 release [TIOBE]
- Men earn more than women with median base salary rates for males at $76,500 compared to $70,500 for females; and median base hourly contract rates at $80 for males compared to $70 for females [Absolute IT]
- Architects, Managers and Consultant BI/CRM are the highest paid jobs [Absolute IT]
- In NZ, over the past 9 months, remuneration increases occurred for software developers, testing, web developers, and managers [Absolute IT]
- Continuing predictions of ICT skills shortages for many countries, including NZ, Australia, the USA and the UK

garry.roberton@wintec.ac.nz
Follow @Gazza _R