

New Zealand ICT Tertiary Education & Job Series August 2011

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Note:



Insights

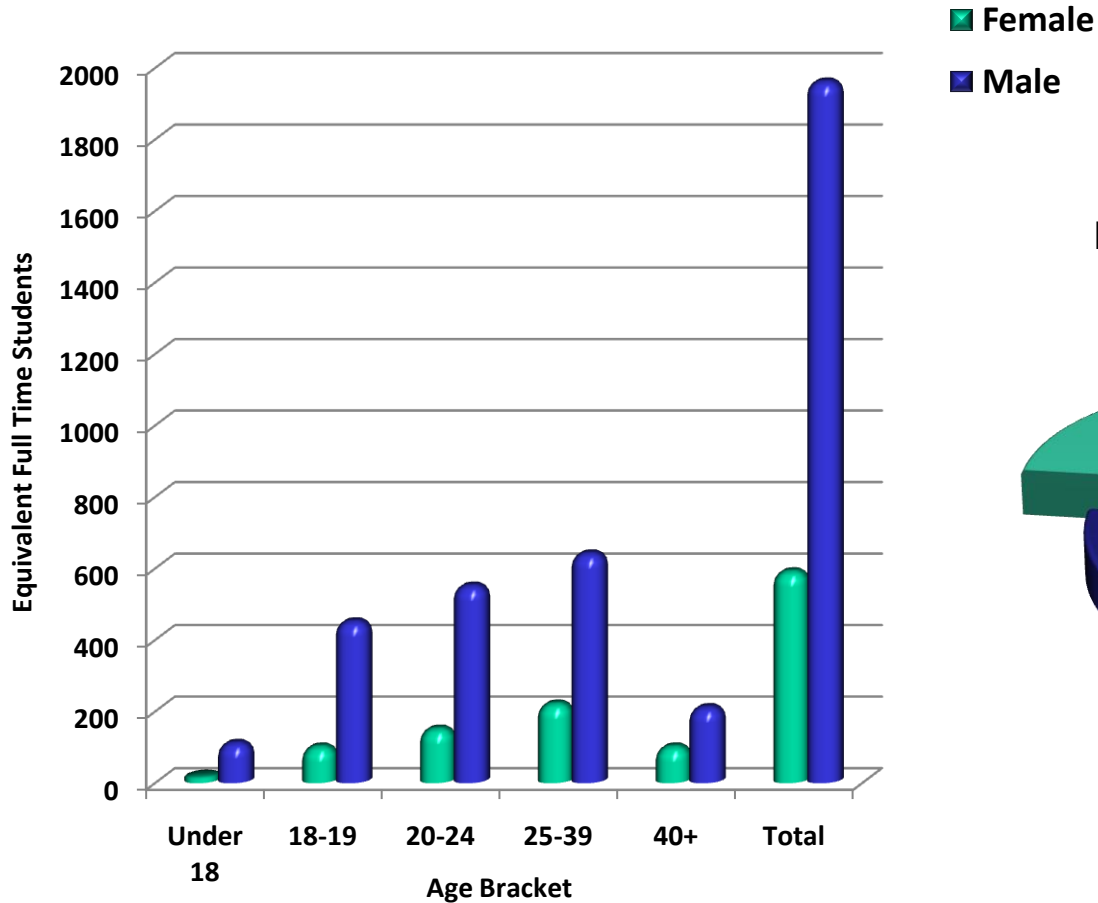
➤ Enrolments:

- NZ ICT diploma & CS bachelor degree female participation rates in 2009 (Education Counts) were 23% & 28% respectively
- USA - among the CRA member schools, the share of bachelor's degrees in CS granted to females rose to 13.8% in 2010, an increase of 2.5 percentage points over 2009
- Europe – female participation rates in CS & CE sitting at 28% in 2009

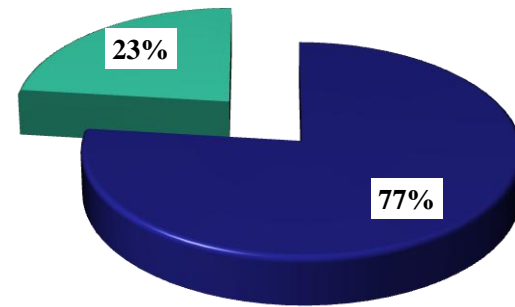
➤ Jobs:

- NZ Seek ICT jobs adverts for the month of August;
 - Auckland down 4%, Wellington down 18% and Canterbury down 5%
 - Waikato experienced an 11% growth rate, the second consecutive increase of significance (14% last month)
 - All NZ fell by 8% (Down 2% same period 2010)
- Trademe (all NZ) decreased by 9% (Up 5% same period 2010)

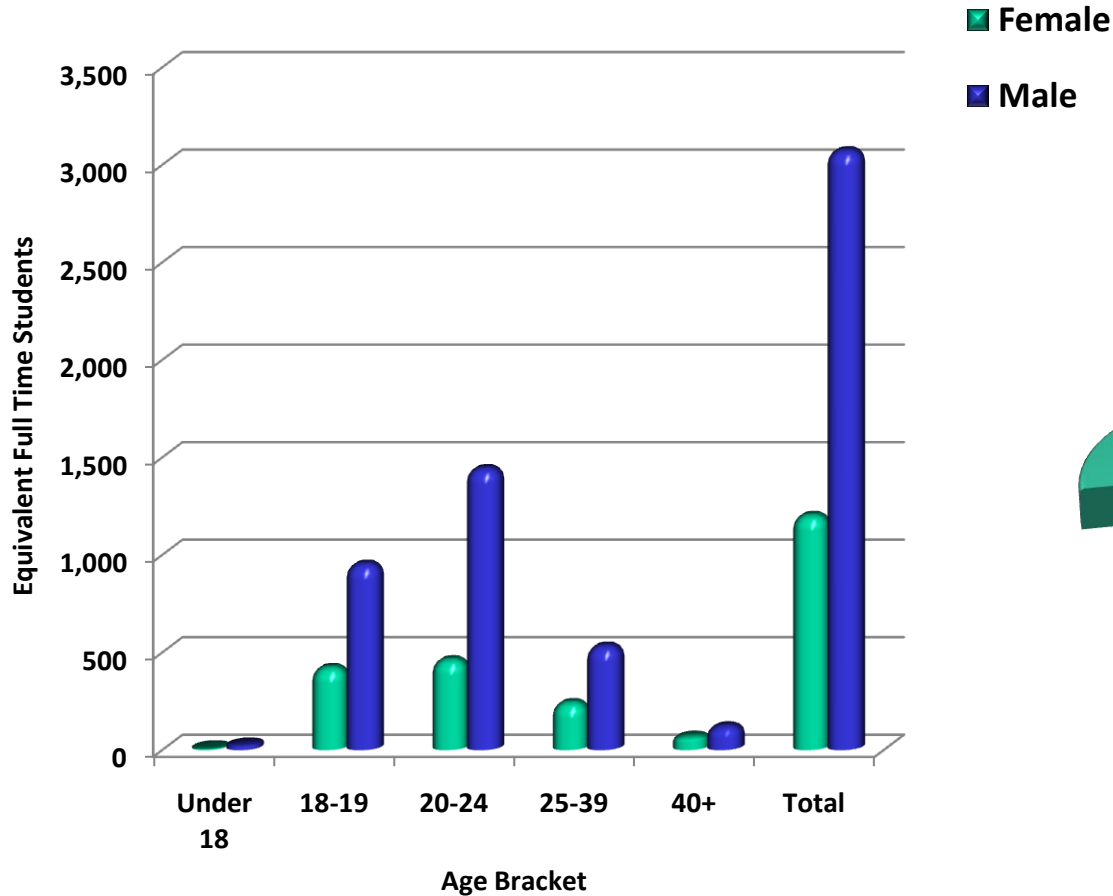
ICT Diplomas Domestic EFTS by Age & Gender, 2009



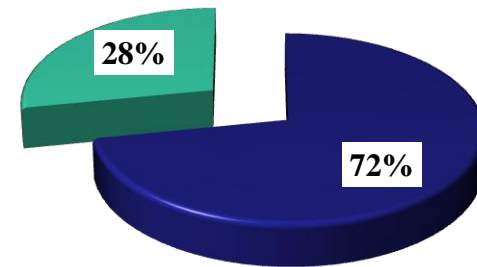
Distribution by Gender



CS Bachelor Degrees Domestic EFTS by Age & Gender, 2009



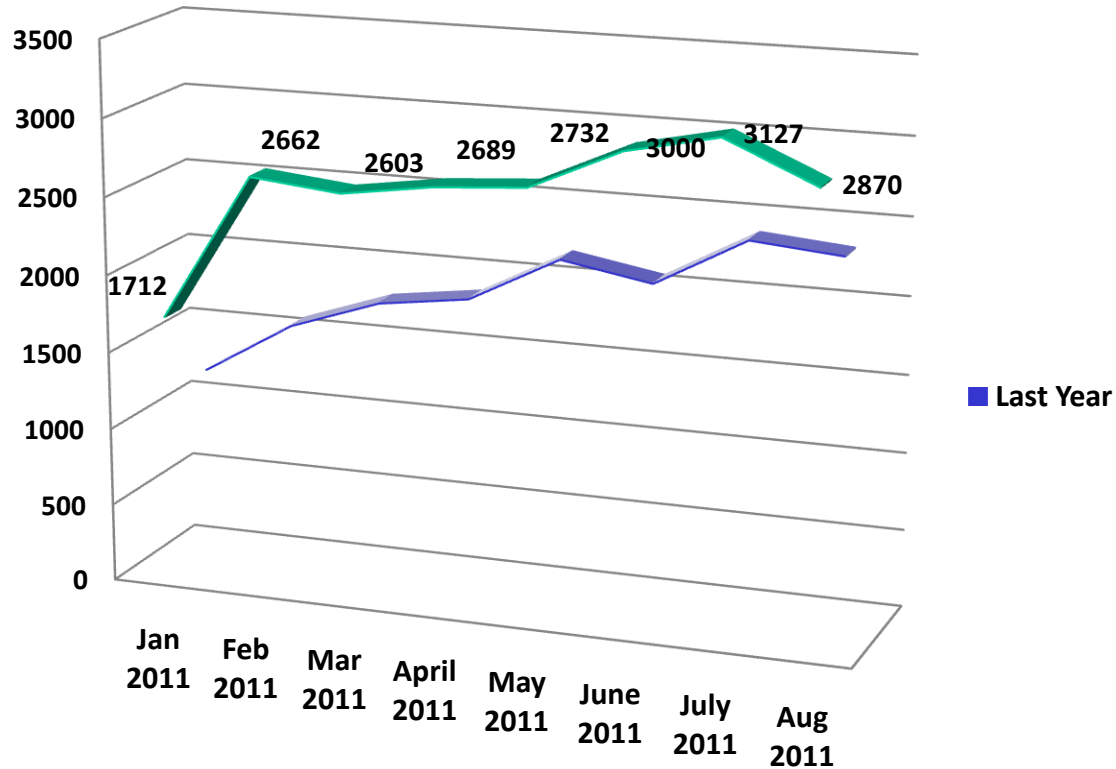
Distribution by Gender



Note: Evidence suggests that the female participation rate is consistent here in NZ and rising slightly in the USA.

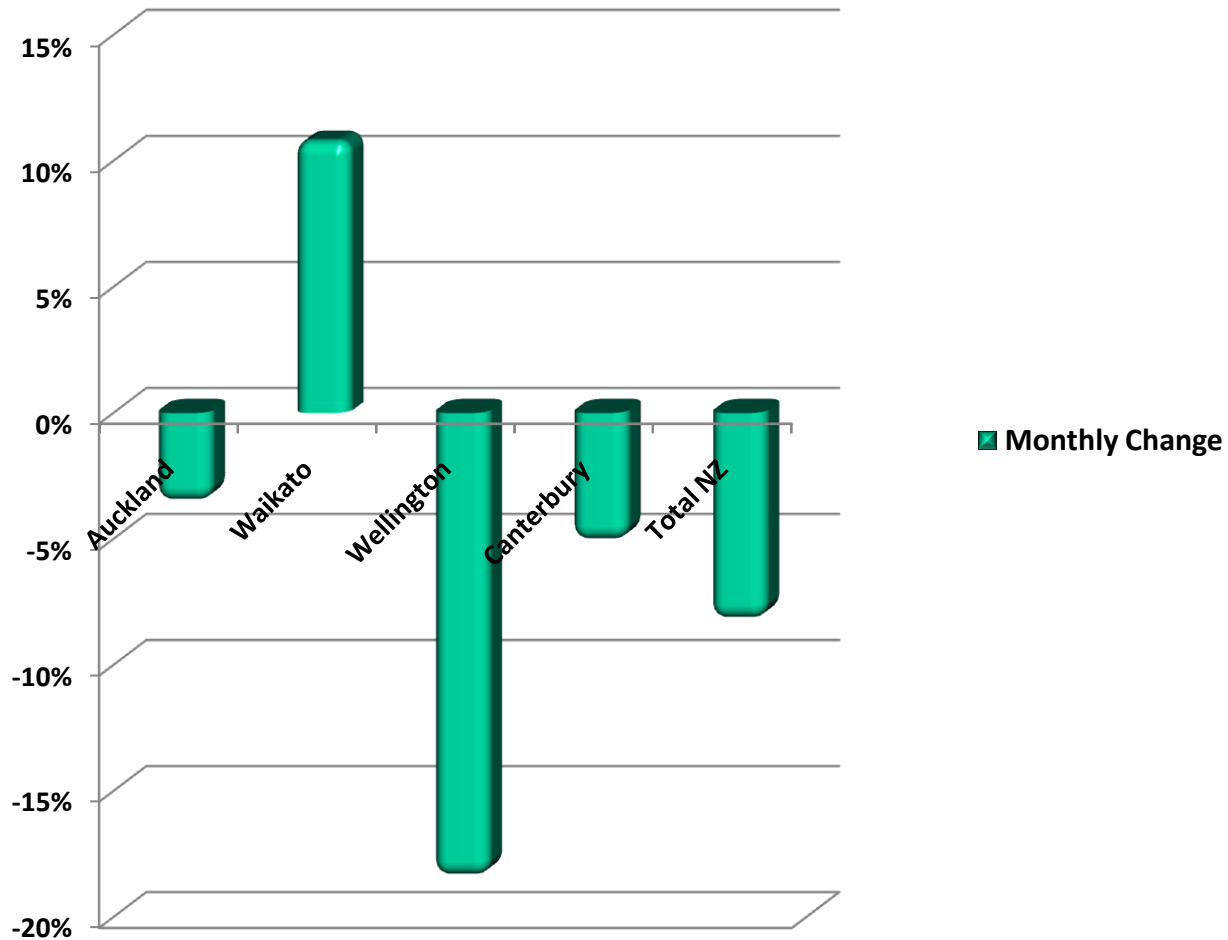
Source: [Education Counts](#) (Accessed August 2011)

Seek IT Job Trends NZ 2011



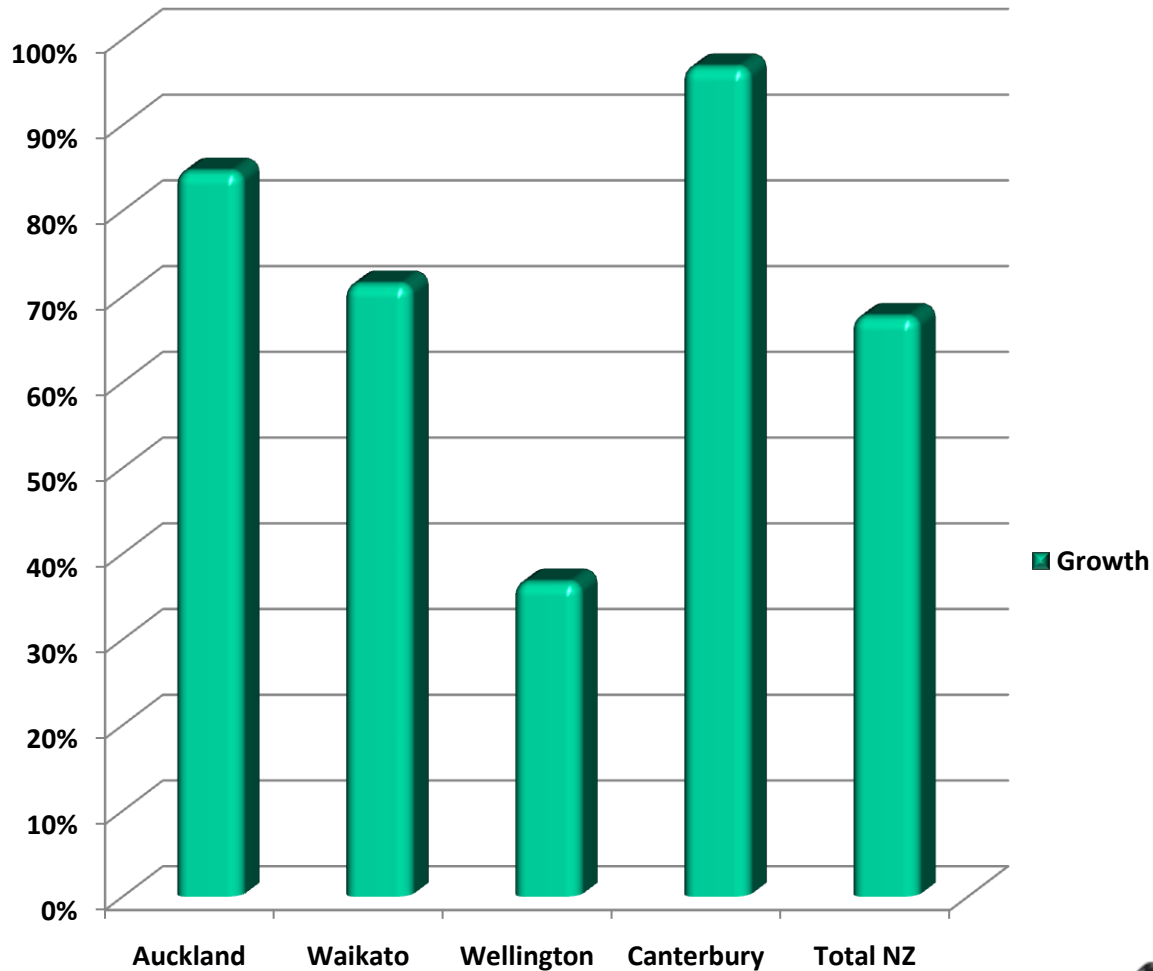
Source: [Seek ICT](#) (Accessed August 2011)

Seek ICT Job Adverts Monthly Change for August 2011



Source: [Seek ICT](#) (Accessed August 2011)

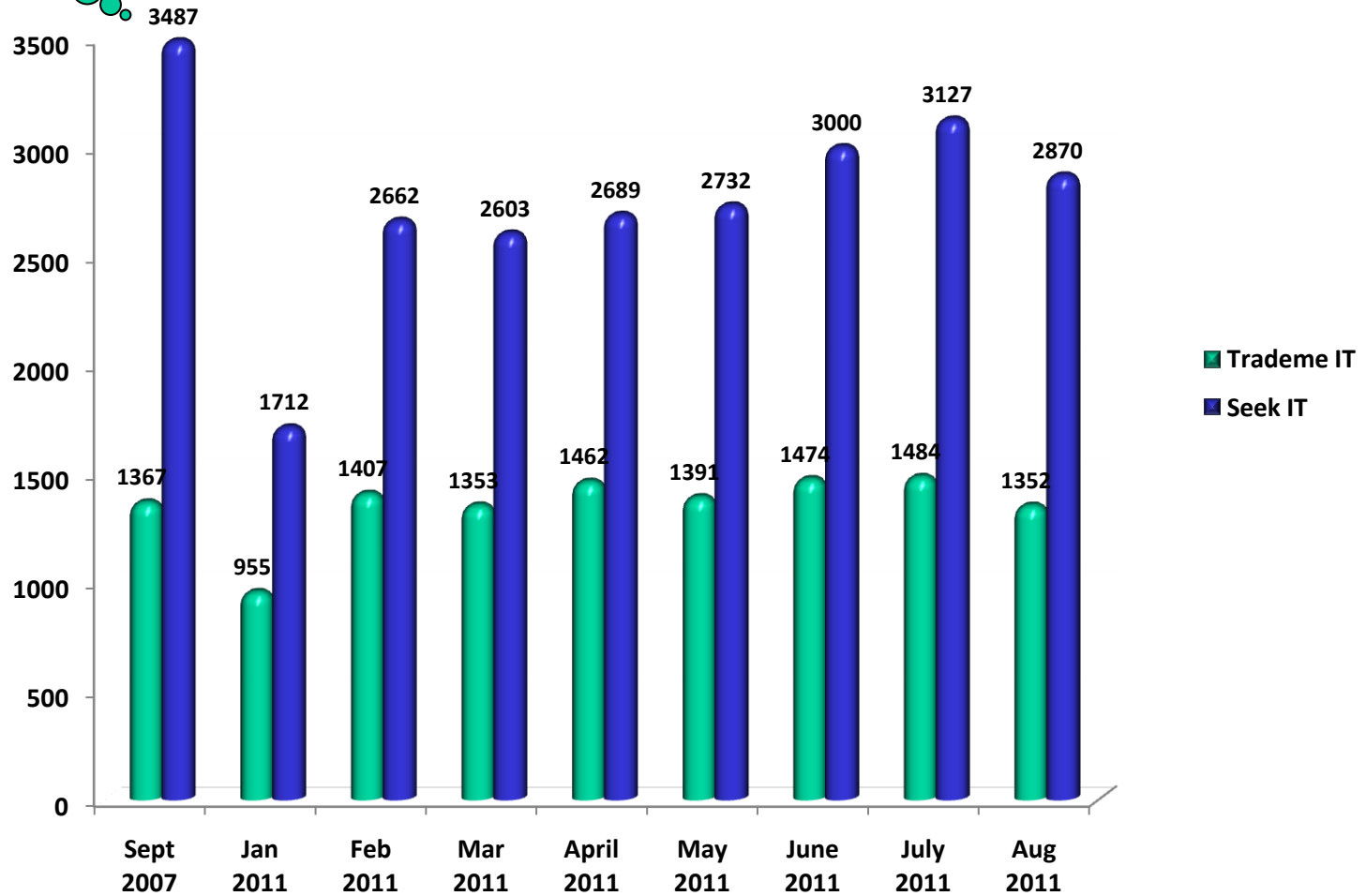
Seek ICT Job Advert Trends January - August 2011



Source: [Seek ICT](#) (Accessed August 2011)

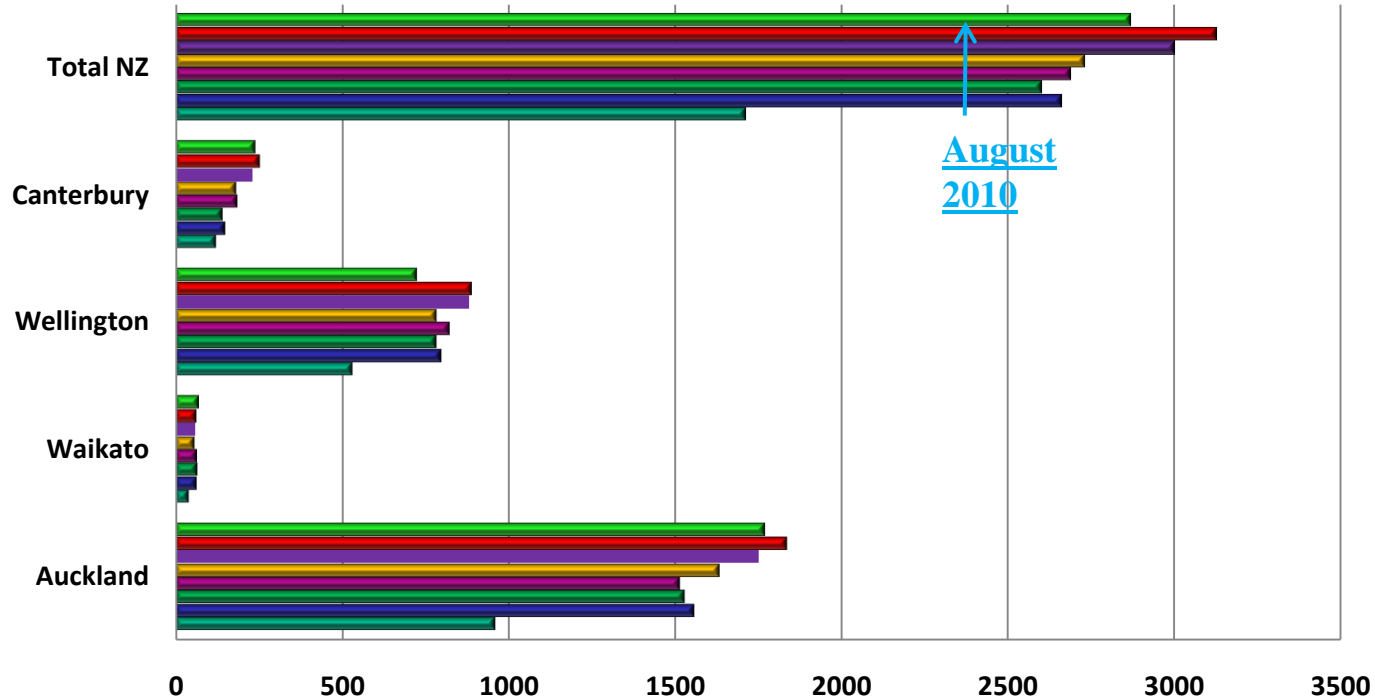
2007 Peak
before
recession

ICT Job Adverts NZ Seek & Trademe



Source: [Seek ICT](#) (Accessed August 2011)

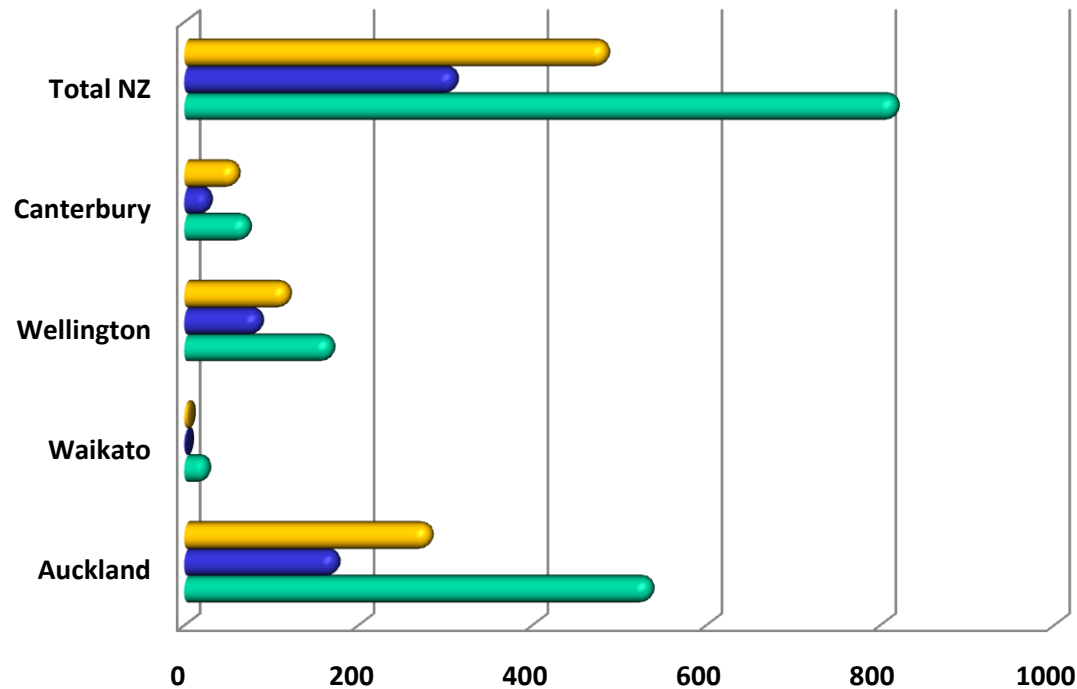
Seek ICT Job Adverts NZ January - August 2011



	Auckland	Waikato	Wellington	Canterbury	Total NZ
■ Aug-11	1772	72	727	242	2870
■ Jul-11	1837	65	891	255	3127
■ Jun-11	1751	57	880	229	3000
■ May-11	1635	59	785	184	2732
■ Apr-11	1516	67	825	188	2689
■ Mar-11	1530	68	785	144	2603
■ Feb-11	1559	66	800	151	2662
■ Jan-11	960	42	532	123	1712

Source: [Seek ICT](#) (Accessed August 2011)

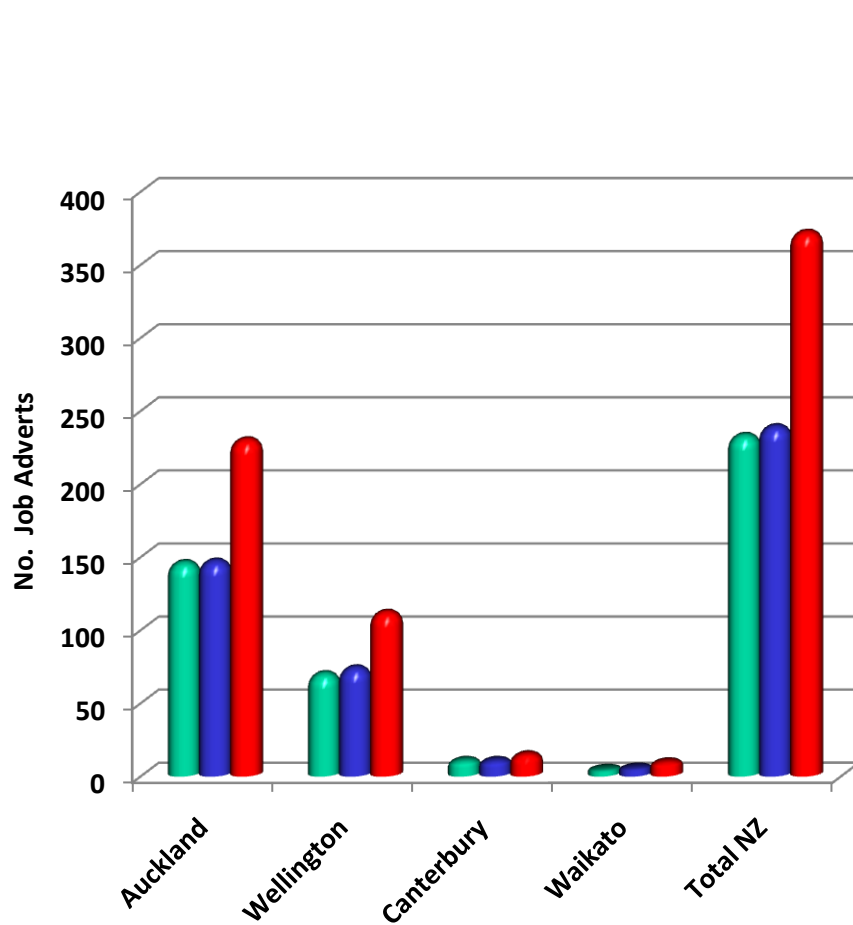
Seek ICT Job Adverts by Industry Certification August 2011



	Auckland	Waikato	Wellington	Canterbury	Total NZ
Microsoft	281	5	118	59	484
Cisco	174	2	86	27	310
Linux	535	25	168	72	817

Waikato & Canterbury experienced an increase in Linux adverts of 60% and 11% respectively for the month

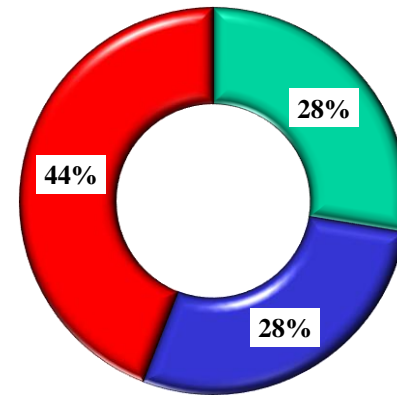
Seek ICT Job Adverts Filtered by Management Certifications



- PMP
- Prince [2]
- ITIL



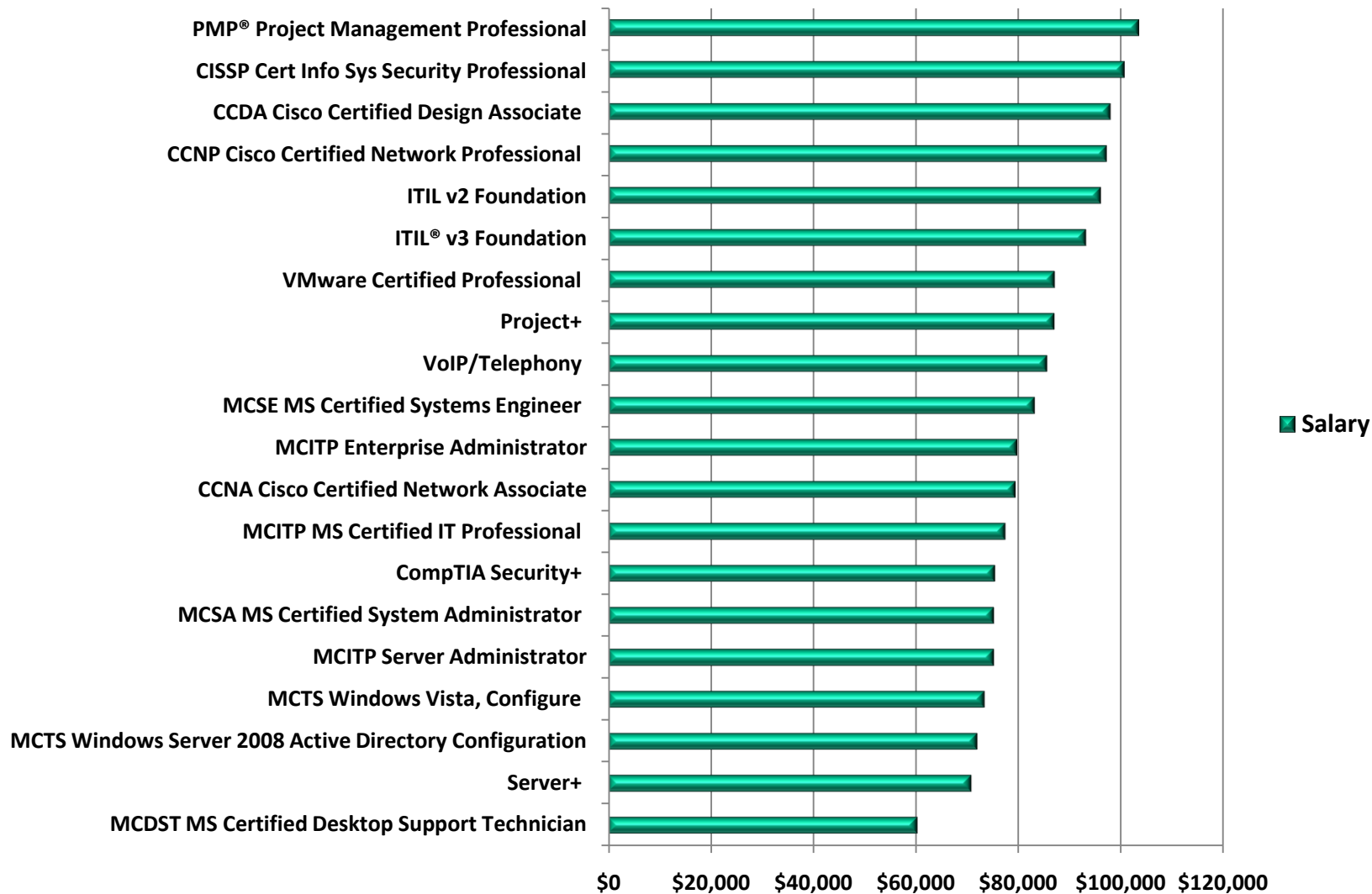
Distribution



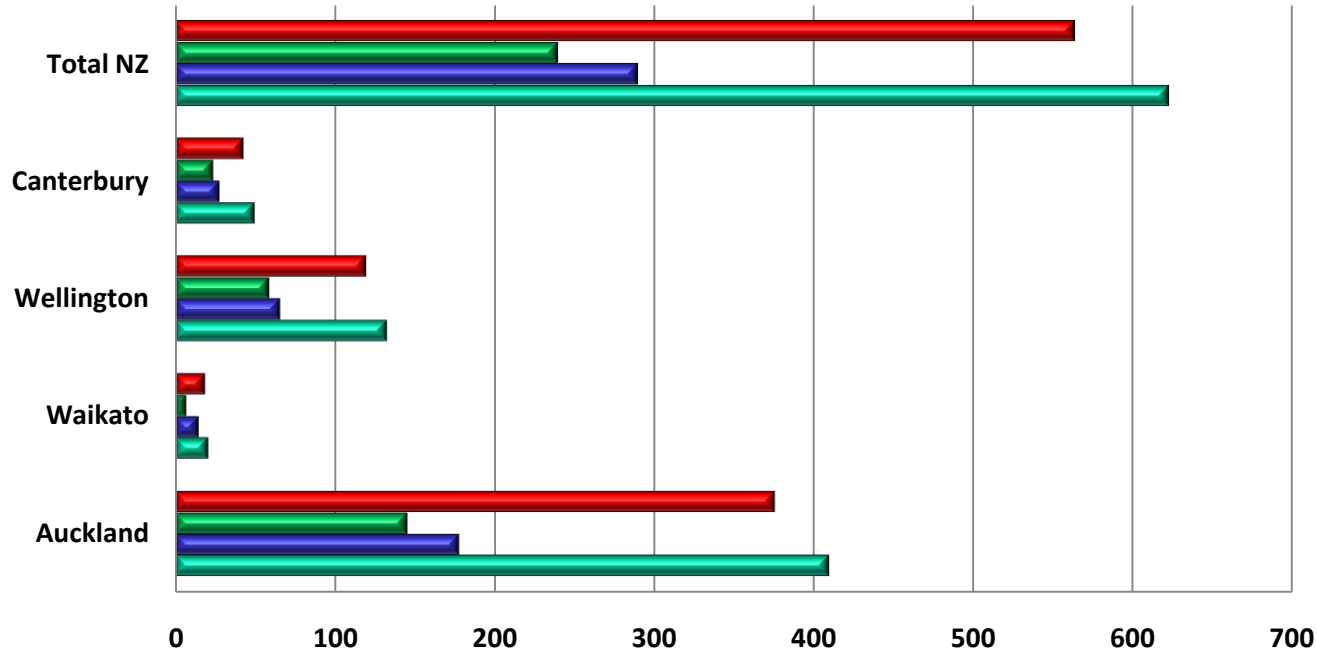
Note:

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

TechRepublic Certifications & Salary Report 2011



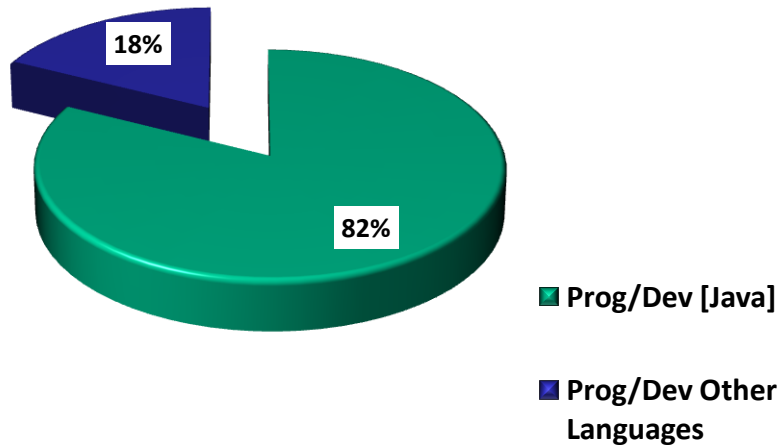
Seek ICT Job Adverts by Programming Language August 2011



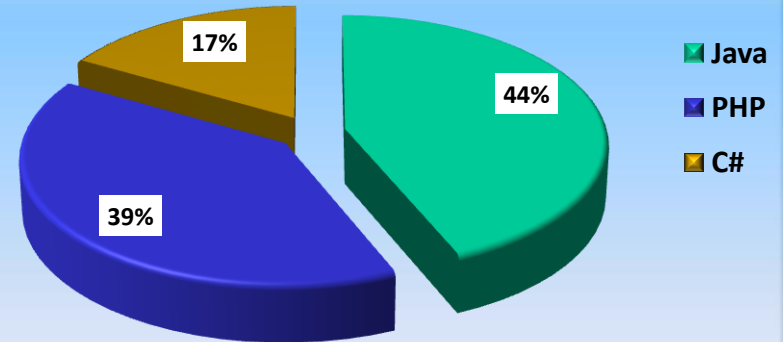
	Auckland	Waikato	Wellington	Canterbury	Total NZ
■ PHP	376	19	120	43	564
■ C#	145	7	59	24	239
■ .NET	178	15	66	28	290
■ Java	410	21	133	50	623

Waikato experienced a doubling of job adverts for Java & .NET for the month. Job adverts for PHP increased 50%.

Seek ICT Job Adverts for Java Programmer/Developer August 2011



Seek ICT NZ Job Adverts Top 3 Languages August 2011

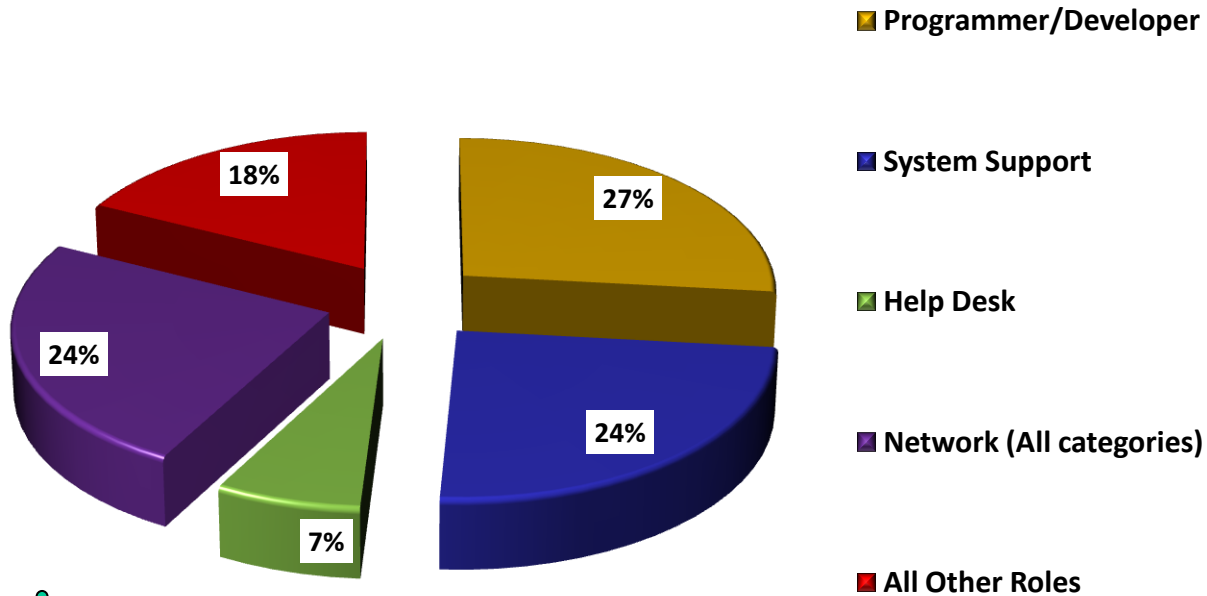


Revised for August 2011 - C# now included

TIOBE Programming Community Index Headline for August 2011:

- F#, a new functional programming language available in the latest version of Microsoft's Visual Studio (2010), has entered the top 20 for the first time

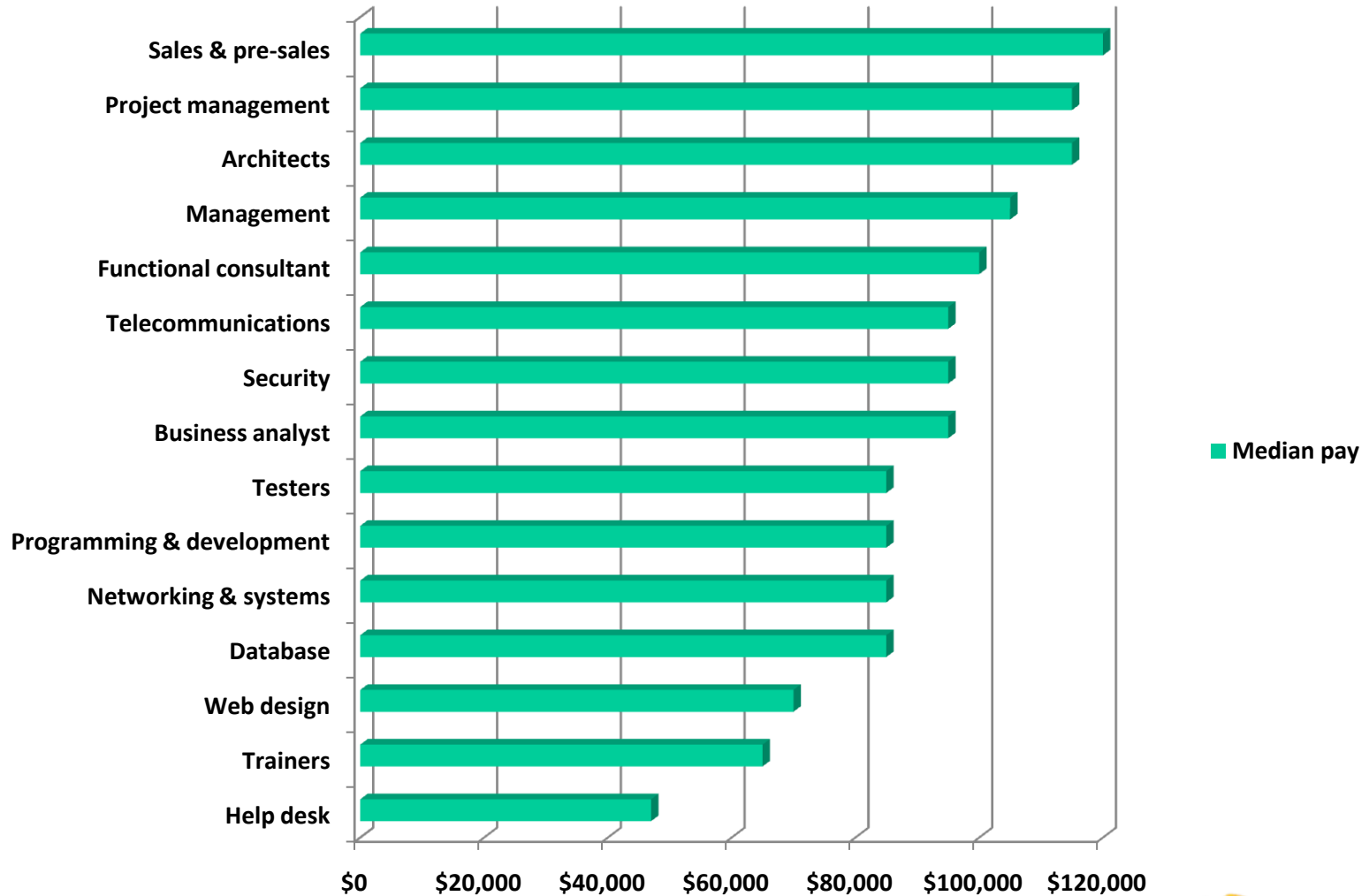
Seek ICT Job Adverts by Role [August]



New for
August
2011

Source: [Seek ICT](#) (Accessed August 2011)

Trademe IT Salary Information by Role Jan-June 2011



Observations

- *The top 3 salaries by roles, according to a recent Trademe Survey, are:*
 - *Sales & Pre-sales*
 - *Project Management*
 - *Architects*

- *The top 5 salaries by certification, according to a recent TechRepublic survey, are:*
 - *Project Management Professional (PMP)*
 - *Cert Info Sys Security Professional (CISSP)*
 - *Cisco Certified Design Associate (CCDA)*
 - *Cisco Certified Network Professional (CCNP)*
 - *ITIL v2 Foundation*

News Bytes

A Selection of the Hottest Jobs in Information Technology, according to CIO, are:

- Java & .NET Developer
- Project Manager
- Data Modeller
- Software Implementation Analyst
- Database Administrator
- IT Security Manager
- Business Continuity Manager
- Applications Architect
- RFID Systems Engineer

(CIO Accessed August 2011)

News Bytes

According to the latest (NZ) Hudson Report for the July-September Quarter:

- Hiring intentions in the information technology sector (31.4%) are at the highest level in over six years
- More than half of employers (56.2%) surveyed plan to increase permanent headcount
- The industry is thriving in the lower North Island, up 18.6pp compared to the first quarter of 2011
- The temporary/contracting hiring intentions for the information technology sector are at the highest level (31.4%) for nearly six years

Conclusion:

- *The challenge for both the ICT industry and tertiary institutions is to continue to find ways to make a career in ICT more attractive to the female cohort*

Journal of Information Technology Education: Innovations in Practice Quote:

“The under-representation of females in ICT studies and careers results not only in a massive loss of talent for ICT companies and economies, but also in a technology divide that perpetuates disadvantage among women in general and women of low socio-economic status in particular.”

- *NZ ICT jobs adverts compared with August 2010;*
 - *Seek up 24%*
 - *Trademe up 18%*
- *Next months edition will include a section on the current state of the Australian ICT job market*

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