

# Information Technology Jobs in Auckland: Where and What are they?

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## ABSTRACT

This project was conducted to study and analyse the IT jobs listed in two job portals, TradeMe and Seek, in Auckland over a one month period in 2018. The aim of the project was to gain an insight as to the most advertised jobs available, to advise graduates and educational institutions. Based on the data collection over the one month period the most advertised jobs were found.

**Keywords:** Information Technology Careers

## 1. INTRODUCTION

Information Technology is a broad discipline that crosses boundaries and “embraces important competencies that lie at the foundation of professional practice”. (CC2005) The aim of this research project was to determine the types of jobs available in the field of Information Technology in Auckland over a given period. This is to help inform graduates and also educational institutions of the requirements and expertise required to apply for these positions.

In order to gather this data, two major recruiting sites were chosen to study, TradeMe and Seek. Both sites provide a list of all IT jobs available on daily basis the sites being visited and data collected every two hours. These sites were specifically chosen as they were the most popular sites for IT graduates looking for employment in Auckland.

## 2. JOB CATEGORIES

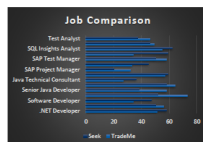
For the purpose of this project the data was collected in the categories areas defined by the two sites:

TradeMe	Seek
Architects	Architects
Business & Systems Analysts	Business/Systems Analysts
Data Warehousing and BI Database	Computer Operators
Functional Consultants Management	Consultants
Networking & Storage Programming and Development	Database development and Administration
Project Management	Developers/Programmers
Sales & pre Sales Security	Engineering: Hardware
Service Desk	Engineering: Network
Systems Engineers	Engineering: Software
Telecommunications	Helpdesk & IT Support
Testing	Management
Training	Sales Pre & post
Web Design	Security
Other	Team Leaders
	Technical Writing
	Telecommunications
	Testing and QA
	Web Development and
	Production
	Other

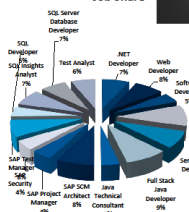
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#### Job Share



Based on this snapshot in time, February 2018, the most advertised jobs in IT in Auckland are for software developers, primarily in Java, ERP primarily Sap and database.



While neither of these lists is definitive they are loosely based on the Skills for the Information Age (SFIA) which “is a model for describing and managing competencies for ICT professionals for the 21st century, and is intended to help match the skills of the workforce to the needs of the business” SFIA, 2018)

## 3. RESULTS

Every day for the month of February 2018 new jobs were listed in both TradeMe and Seek. On any given day, anywhere from 26 to 36 jobs are listed by various companies. If we observe the pattern of job listing, days – Saturday, Sunday and Monday see an increase in job listings. This means every week in the

This poster appeared at the 9<sup>th</sup> annual conference of Computing and Information Technology Research and Education New Zealand (CITREZZ2018) and the 31<sup>st</sup> Annual Conference of the National Advisory Committee on Computing Qualifications, Wellington, New Zealand, on July 11-13, 2018 as part of ITx 2018.

beginning there are more jobs available than the rest of the week. Both TradeMe and Seek on an average had 30 new jobs listed every day.

The 15 most advertised were extracted from the two lists as shown in Fig 1.

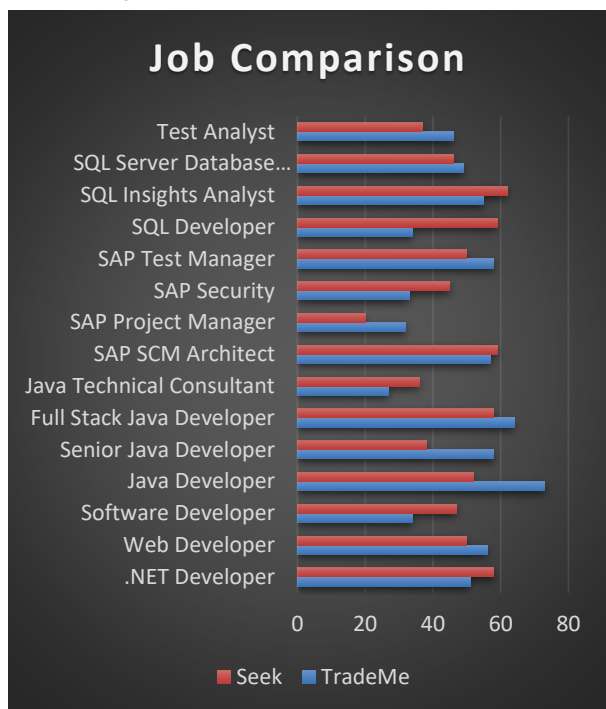


Figure 1 Individual Job Comparison

The most advertised jobs in Auckland for the one month period in February 2018 were Java Developer, Full Stack Java Developer and Senior Java Developer.

Figure 2 shows the share of each individual job among the 15 most advertised ones. Software development especially using Java is 31%, Web Technology jobs have 34% and rest is shared by SAP and other categories.

#### 4. CONCLUSION

Based on this snapshot in time, February 2018, the most advertised jobs in IT in Auckland are Java Developer, Full Stack Java Developer, and Web Developer. Apart from these, other distinct addition to the jobs are DevOps, Full Stack Web Developer and Project Managers. Other significant areas are SAP and database development and administration. It would be prudent of educational institutions who are designing programs for potential graduates in the Auckland area to be aware of these trends and design their courses and programmes

to meet the industry demand. It is also a clear indication to graduates searching for their next job to be aware of these trends and upskill where required.

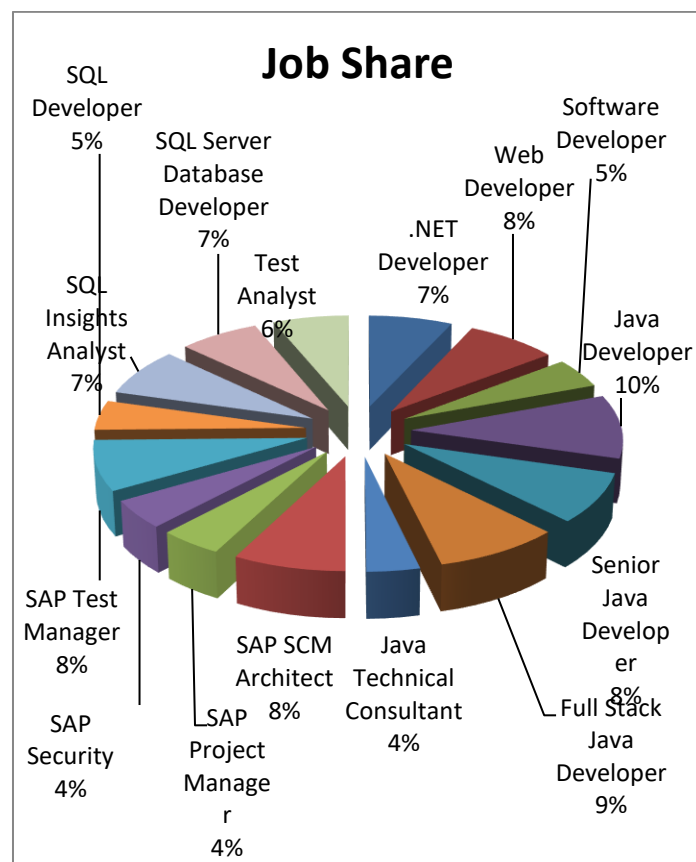


Figure 2 Individual Job Share

#### 5. REFERENCES

Computing Curricula 2005: The Overview Report (2006) retrieved from <https://www.acm.org/binaries/content/assets/education/curricula-recommendations/cc2005-march06final.pdf> 20th February 2018.

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