**- INDUSTRY DATA -**

***What are the job titles for your group’s ideal jobs? How do each of these rank in terms of demand from employers?***

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| **Jon** | Software Engineer/ Solutions Architect | This job ranks **1st** on Burning Glass |
| **Dane** | Senior Financial Planner | *No related info as it's a different industry* |
| **Jaime** | Systems Administrator | This job ranks **8th** on Burning Glass |
| **Damian** | IT Consultant | *No related info as it's not included in Burning Glass but the closest job this would be is Systems* |
| **Rav** | Network Engineer | This job Ranks **9th** on Burning Glass |
| **Aaron** |  |  |

Name: **Jon**

**Ideal Job:** Software Engineer/ Solution Architect

Also known as an application programmer, software architect, system programmer/engineer.

This job in brief: The work of a software engineer typically includes designing and programming system-level software: operating systems, database systems, embedded systems and so on. They understand how both software and hardware function. The work can involve talking to clients and colleagues to assess and define what solution or system is needed, which means there's a lot of interaction as well as full-on technical work. Software engineers are often found in electronics and telecommunications companies. A computing, software engineering or related higher degree is often needed.

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| **TEAM** | **Software Engineer / Solutions Architect** | This job ranks **1st** on Burning Glass |
| **Jon** | **Specific IT Skill Required:**   * Microsoft C#: 5th * .NET: 7th * HTML5: 11th * JavaScript: 2nd * C++: 27th * Libraries: *not in the ranking* * Object-C: 86th * Cocoa: *not in the ranking* * WPF: *not in the ranking* | **General Skill Required:**   * Communication: 1st * Organizational: 3rd * Analytical: 17th * Leadership: 11th * Team Work: 5th   **OTHER 3 General Skills not in my list:**   * Writing: 2nd * Problem Solving: 4th * Planning: 6th |
| **Having looked at the Burning Glass data, has your opinion of your ideal job changed? Why or why not?**    *“ Yes, my previous opinion for my ideal job is whatever areas you may know in this field you will be fine in finding an employer but rather because from this data, I realised that there are some areas that are out of my skill sets which in most job posting is the majority of employers requirements. However, it does not change my Ideal Job, as on this insight is guided me to focus on getting the most require skills as to be my target skill set.”*   * *Jon* | |

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Name: **Rav**

**Ideal Job:** Network Engineer

Their main role in the company is to design, implement and maintain the computer networks within a company. As opposed to network administrators that handle more day to day support of the network, a network engineer focuses on high level design and planning. By selecting the correct technologies and making sure they are implemented correctly, network engineers ensure a high performing network for all its users.

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| **TEAM** | **Network Engineer** | This job Ranks **9th** on Burning Glass |
| **Rav** | **Specific IT Skill Required:**   * Microsoft Windows - 4th * Technical Support - 11th * Systems Engineering - 24th * Oracle - 19th | **General Skill Required:**   * Communication Skills - 1st * Problem Solving - 2nd * Teamwork/Collaboration - 5th * Troubleshooting - 6th * Planning - 7th * Creativity - 9th * Leadership - 11th * Analytical Skills - 17th * Multi-tasking - 20th |
| **3 highest ranked IT-specific skills:**   * SQL * JavaScript * Java | **3 highest ranked general skills:**   * Organizational Skills * Writing * Detail-Oriented |
| **Having looked at the Burning Glass data, has your opinion of your ideal job changed? Why or why not?**    *“I think it shows that while you don't need a lot of technical skill to do the job, however, you do need a lot of various general skills in the way you think, i.e. problem solving, troubleshooting, planning. Of course, there is a level of technical skill that you require in order to perform your job as expected by your employer, but the choice the employer makes on who he chooses to hire, I believe, is weighted more upon their general skills.”*   * *Rav* | |

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Name: Dane

**Ideal Job**: Senior Financial Adviser

This job in brief: Financial planners advise their clients on how to achieve their financial objectives. Some financial planners provide comprehensive planning services without offering recommendations, while others offer both planning and transactional services.

Demand from Employers: Due to the Royal Commission into financial services and the recommendation to education requirements, a lot of advisers have, or will be leaving the industry. With an estimated 2.1 million people looking to get advice over the next year, the demand for advisers will significantly increase according to [www.businessinsider.com.au](http://www.businessinsider.com.au)

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| **TEAM** | **Senior Financial Adviser** | *No related info as it's a different industry* |
| **Dane** | **Specific IT Skill Required:**   * Microsoft Office (Word, Excel, Powerpoint) * X-Plan * SalesForce * Outlook * Chantwest (Superannuation comparison tool) * Iress * Quoting applications (Individual to each provider) | **General Skills Required:**   * Communication skills * Listening * Problem Solving * Organisational * Analytical skills * Persuasion * Negotiation * Research * Excellent written and verbal skills * Interpersonal skills * Relationship building * Customer service * Strong mathematical skills * Time management * Planning |
| **5 ranked skills:**   * Communication: First * Problem Solving: Second * Organisational: Third * Writing: Fourth * Team Work: Fifth | **3 General Skills not in my list:**   * Creativity * Articulate * Multi-Tasking |
| **Having looked at the Burning Glass data, has your opinion of your ideal job changed? Why or why not?**  *“Yes, it actually showed me that there are lot more general skills applicable to my chosen ideal job. This is great as it demonstrates that I will learn valuable skills that are transferrable if I ever wish to change professions.”*   * *Dane* | |

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Name: Damian

**Ideal Job:** Network Engineer – Data Centre:

Data centre engineers are the backbone of data centres with the progression of cloud services such as Google, Microsoft, Amazon all progressing with their services to help clients and their businesses data centre engineers are from what I can see are in high demand.

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| **TEAM** | **Network Engineer – Data Centre:** | *No related info as it's not included in Burning Glass but the closest job this would be is Systems* |
| **Dane** | **The main responsibilities as an engineer are:**  Design and implement networks and infrastructure.  • Monitor networks and infrastructure and do maintenance when required.  • Analyse network traffic and report what is in demand.  • Monitor for security risks and breaches. | **Skills and Certifications:**  • Cisco Certified Network Professional (CCNP)  • Cisco Certified Network Associate (CCNA)  • Data centre infrastructure management and experience.  • Cisco Unified computing system capabilities.  • Experience with load balancing and unified systems.  • Network engineering experience |
| **Salary:**  As a data centre network engineer your salary can range from $85,012 to $128,956 per year with the potential to earn more and have the flexibility of other job opportunities.  The source I used for this information is here: https://www.fieldengineer.com/skills/datacenter-network-engineer. | |

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Name: Jaime

**Ideal Job:** Technical Support

I find this information in https://www.careersfoundation.com.au/technicalsupport,   
and it’s part of IT Manager or Systems Administrator.

Technicians use their knowledge of software and IT to solve users problems, this is recorded for future use.

Degree: TAFE:

* Certificate in Information Technology
* Undergraduate:
* Bachelor of Information Technology
* Bachelor of Computer Science

Skills: Problem solving, technical knowledge, troubleshooting, communication

Salary: 45k - 95k

And for Systems Administrator

Examples of Systems Administrator responsibilities:

Manage system infrastructure including, databases, testing computer equipment, firewalls, malware and other software and hardware.  
Provide technical support for both hardware and software issues that may arise.  
Monitor the system daily and respond quickly to any security breaches or usability concerns.  
Backup systems and verify that backups have been completed.  
Regularly upgrade systems as needed.  
Assist in integrating new applications and technologies into the current system.

Examples of Systems Administrator skills  
Associate degree or higher in related field.  
2+ years experience as a system administrator.  
Ability to respond to help desk requests after hours.  
Expert knowledge of system security concerns and vulnerabilities.  
In-depth knowledge and experience with VMwar

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Name: Aaron

**Ideal Job:** Software Engineer - Data Security Specialist.

According to the data provided by Burning Glass, my ideal job ranks as the 11th most popular job title in the IT industry. The Burning Glass data also shows this occupation is the top occupation. The IT specific skills required for my job include applied cryptography, distributed system security, strong programming experience including C++, Go, Java and OOP concepts. The general skills required for this role include team work, communication, creativity, and attention to detail.

According to the Burning Glass data, my IT specific skills required for my ideal job rank moderately in terms of the demand from employers. Out of the skills required of me, Java ranks the highest, coming in third on the Burning Glass data set. Software engineering and systems engineering rank lower in the data set. Of the general skills required for my ideal job, communication skills rank the highest, coming in at first place on the list. Team work and collaboration come in at fifth on the list, followed by detail orientated at eighth place and finally creativity in 9th place in the rankings.

The three highest ranked IT-specific skills which are not in my required skill set are SQL, Microsoft Windows and project management. The three highest ranked general skills which are not in my required skill set are problem solving, writing and troubleshooting.

Having looked at the Burning Glass data, my opinion of my ideal job has not changed. However, I have learned that a number of the IT specific skills I will require for my job are not highly ranked in terms of demand from employers. The other realisation I have made is that skills and expertise in Apple products, software and operating systems will be somewhat niche when comparing the skills required and desired by the wider IT industry. The Burning Glass data highlights the demand for knowledge of Microsoft Windows, Microsoft C# and other systems such as LINUX.