# Industry Data – Supplied by Burning Glass

## What are the Job Titles for your group's ideal jobs? How do each of these rank in terms of demand from employers?

* Sean Atherton – *Cybersecurity Analyst* ***(Ranked 13th in Demand)***
* Jack Holliday - *Computer Network and System Engineer* ***(Ranked 2nd in Demand)***
* Josh Chuang – *UX/UI Designer* ***(Ranked 14th in Demand)***
* Mia Vasiliadis – *Full Stack Software Engineer, JavaScript* ***(Ranked 1st in Demand)***
* Stephanie Newland – *Cybersecurity Analyst* ***(Ranked 13th in Demand)***
* Liam Oloughlin – Network Engineer/ICT Support ***(Ranked 10th in Demand)***

***\*Ranked out of 25 active selection areas (Mar 1st, 2017 – Feb 28th, 2018)***

## From your group's ideal jobs, you can identify a set of skills required for these jobs.

## Group Skill Set

### IT Specific Skills

* Business Analysis
* Project Management
* Microsoft Windows
* Building relationships
* Linux

### Generic Skills

* Communication
* Problem solving
* Writing
* Teamwork/Collaboration
* Detail Oriented
* Time Management

## How do the IT-specific skills in your required skill set rank in terms of demand from employers?

‘Microsoft Windows’ was in 4th place likely due to most of the non-technical or advanced work taking place on windows operating systems.

‘Project Management’ came in 5th place, its borderlines on a generic skill in my opinion as this isn't IT specific but are non the less essential when working in IT whether it’s dealing with graphic and technical design or dealing with applications.

‘Building Relationships’ placed 8th. Like ‘Project Management’ this is a non-technical skill that is abundant in requirements for IT positions.

When ranked by employers is ‘Business Analysis’ came in 9th place. This is likely due to mostly applying to consultants and positions that aim to bridge the gap between business and IT.

‘LINUX’ placed in 13th place when ranked in demand by employers.

## How do the general skills in your required skill set rank in terms of demand from employers?

‘Communication Skills’ was in 1st place; this is self-explanatory and can usually be found on just about every type of job application.

‘Problem Solving’ placed in 2nd when ranked in demand.

‘Writing’ came in 4th place, this is probably one of the most generic next to communication skills but is non the less essential when working anywhere not just in IT roles.

‘Teamwork/Collaboration’ came in 5th place. Again, this is another skill that is required in any work environment that isn't completely solo. In IT there are so many types of systems on top of systems that you'll likely be dealing with other specific teams of people in various departments that when trying to solve a problem or implement a project will make teamwork and collaboration is a must.

‘Detail Oriented’ was in 8th place in demand.

‘Time Management’ was in 12th place for demand in generic skills.

What are the three highest ranked IT-specific skills which are not in your required skill set?

1. SQL
2. JavaScript
3. JAVA

Even through individually there is a few jobs of ours that will require these skills overall these skills are not required from all and not making the mark for our group's skillset.

## What are the three highest ranked general skills which are not in your required skill set?

1. Organizational Skills
2. Troubleshooting
3. Planning

Even through individually there is a few jobs of ours that will require these skills overall these skills are not required from all and not making the mark for our group's skillset.

## Having looked at the Burning Glass data, has your opinion of your ideal job changed? Why or why not?

***Seans response:***

No, my ideal job hasn’t changed for the most part as there are clear indicators that Cyber Security jobs are expected to have healthy growth over the next 5 years. However, I was still surprised that it placed so low in demand, but I still feel that the role at this stage is the best fit for me and my interests and goals.

***Jack’s response:***No, I did not realize how high in demand my job was in 2018, I do know it’s a commonly sought-after role, especially when the person is doing it well.

I am happy with where it stands, but overall, I'm happy with what the job entails, I know the challenges it will produce will keep me entertained and focused.

***Mia’s response:***

Looking at the Burning Glass data, it is no surprise that my ideal job is highest in demand, and it is still something I want to pursue. Full Stack Developers are a jack of all trades in the IT industry, and therefore are heavily sought after. Before looking at the data, I already had a good understanding of what was required and am willing to work towards having a vast skillset.

***Josh’s response:***

After looking at the Burning Glass data, I’m on the fence about my ideal job. Whilst I do think it would be fantastic to work in the field of UX/UI design, being the 14th most demanding job isn't exactly a comforting thought. I may have to reconsider my ideal job, but I was already expecting that that would the case. Ideal jobs are just that; they’re ideal but you must contend with the fact that in today's environment you probably aren't going to the job you want straight away. If I must change my specialization in I.T in order to have employment that’s fine by me.

***Stephanie’s response:***

After looking through the Burning Glass data my ideal job hasn’t changed. Alongside of the Burning Glass data, information from The Australian Government’s Job Outlook shows that the number of people working in Cyber Security grew by almost 10 000 people between 2014 and 2019 and will continue to rise as we try to fill the increasing demand for cyber security professionals (joboutlook.gov.au, n.d.). It is surprising that considering the demand for Cyber Security professionals and the importance of the role in terms of data safety and security, the role was ranked in the middle of the field, however, this may increase over time as infrastructure and technology continue to develop and cloud computing, cryptocurrencies and machine learning continue to strengthen and the demand for cyber security professionals rises.

***Liam’s response***

Honestly, I thought my job would be much higher in demand (not saying that 10th isn’t high enough) as most businesses and Enterprises run through the web/local networks. I'm confident as time goes on however this statistic may change and the demand for Network engineers will grow significantly.

I still would like to go for my ideal job as it is still something I'm interested in and can see a career in so I think my stance will stay the same.

## Reference List:

* Seek Limited 2019, *How to become an Information Security Analyst,* Seek Limited, viewed 9 April 2021, < <https://www.seek.com.au/career-advice/role/information-security-analyst>>
* joboutlook.gov.au. (n.d.). *Database & Systems Administrators & ICT Security,* JobOutlook. [online] Available at: https://joboutlook.gov.au/occupations/occupation?occupationCode=2621 [Accessed 4 Apr. 2021].