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| **Name** | **Job Title** | **Rank by Title** (Burning Glass Technologies, 2018) | **Required IT Specific Skills** (Burning Glass Technologies, 2018) | **Required General Skills** (Burning Glass Technologies, 2018) | **Three highest IT Skills  (Not in Required Skill Set)** (Burning Glass Technologies, 2018) | **Three highest General Skills (Not in Required Skill Set)** (Burning Glass Technologies, 2018) |
| **Arin** | Security Analyst | #43 (173 job postings) | * SQL - #1 * JavaScript - #2 * Java - #3 * Microsoft Windows - #4 * SAP - #5 * Microsoft C# - #6 * Linux - #7 * Python - #13 * C++ #58 * VMware - #155 * C# Programming - #172 | * Communication Skills - #1 * Problem Solving - #2 * Organisational Skills - #3 * Writing - #4 * Team Work - #5 * Planning - #7 * Analytical Skills - #17 * Computer Skills - #27 * Listening - #38 * Typing - #47 | * .NET Programming - #8 * Microsoft Office - #9 * Oracle - #10 | * Troubleshooting - #6 * Planning - #8 * Detailed Orientated - #9 |
| **Dylan** | Software Developer | #19 (337 job postings) | * SQL - #1 * JavaScript - #2 * Java - #4 * Microsoft C# - #6 * Linux - #9 * Git - #19 * Python - #20 * PHP#33 * C++ - #58 * Visual Studio - #96 * AWS - #167 | * Communication Skills - #1 * Problem Solving - #2 * Team Work - #5 | * Microsoft Windows - #3 * Building Relationships - #5 * Technical Support - #7 | * Organisational Skills - #3 * Writing - #4 * Troubleshooting - #6 |
| **Jacob** |
| **Josh** |
| **Name** | **Job Title** | **Rank by Title** | **Required IT Specific Skills** | **Required General Skills** | **Three highest IT Skills  (Not in Required Skill Set)** | **Three highest General Skills (Not in Required Skill Set)** |
| **Ryan** | Systems Admin / Server Engineer | #4 (786 job postings) | * Microsoft Windows - # 3 * Project Management -#4 * SAP - #5 * Technical Support - #7 * Linux - #9 * Customer Service - #10 * Microsoft Office - #14 * ITIL - #16 * Systems Engineering #20 * Business Process - #21 | * Communication Skills - #1 * Problem Solving - #2 * Troubleshooting - #6 | * SQL - #1 * JavaScript - #2 * Java - #3 | * Organisational Skills - #3 * Writing - #4 * Team Work - #5 |
| **Seth** | Software Engineer | #11 (539 Job postings) | * Javascript - #2 * Microsoft C# - #12 * Java - #3 * Python - #22 * Git - #19 * Linux #9 * C++ - #58 * Software Engineering - #15 * SQL - #1 | * Communication Skills - #1 * Problem Solving - #2 * Team Work - #5 * Detail Oriented - #8 | * Microsoft Windows - #4 * Business Management - #2 * Building Relationships - #8 | * Organisational Skills - #3 * Writing - #4 * Mentoring - #13 |

# Bibliography – Industry Data

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## Has your opinion of your ideal job changed? Why or why not?

**Arin** - I was looking at my other group members jobs and a lot were in the top raking, even with most of them being in top 20. My ideal job being at rank 43 felt like it would be better to go into a different job category that had more interest to employers otherwise it would be quite difficult to find a job as a Security Analyst. It’s good also that I am up for change and wasn’t also fixed on being a Security Analyst. Being able to look at this data I would more than likely choose something within the top 10 – 20 as it’s obviously in higher demand and I particularly enjoy most jobs that are related to Information Technology anyway.

Security analyst while almost vital to some companies are not always in high demand. They require a range of I.T skills while also having many years in the field to be able to compete with others.

**Dylan** – The Burning Glass data hasn’t changed my ideal job plans. The data shows my chosen path of software development is in quite high demand with employers – the highest of any generic titles. With regards to specific IT skill requirements, I was unaware SQL and Javascript are in such high demand with employers. I originally planned to focus on C, C# and C++, though with this information in mind I will shift some focus to also learning SQL, Javascript and other high-demand skills. This will ultimately increase my employability and ensure my skillset aligns with industry needs.

**Jacob** – The Burning glass data has not changed my views on the chosen ideal job. Software developer skills are ranked at the top of the IT specific skills list with Java being #4 and C# being #6 of the current languages I have used. I think however I might start focusing on JavaScript as it is ranked #2 on the list. The job itself is ranked quite low on the “Top Titles” Burning Glass data pdf. Being at #19 on the list. However, software development is a rather broad area. For instance, Java Developer is ranked #7 which is a software developer who uses java for programming. Overall, I believe that software developers will always be a large area of IT with a large amount of job listings available.

**Josh** – Looking at the Burning Glass data not much has changed much for me. I still would like to become a software developer. Most of the skills necessary for performing well in this job are right at the top of the rankings, both IT specific and general skills. Although the job title is only 19 in the most advertised IT job role I still feel as though it is a broad term and can relate to a lot of different areas such as web development which is ranked higher.

I think as we depend more and more on technology to make our lives easier and more efficient, there will always be a need for developers to create the software that we all rely on.

**Ryan** – With this information I am undecided if I should focus more on security, hardware and operating systems or move more into a data analyst role developing my skills in SQL further and learning more about mobile/web site building structures. An example job could be developing a mobile application that links back to a back-end web server running MySQL as this MCommerce market is growing and there will be a wide range of high paying jobs in this sector and could lead to him starting his own business one day.

**Seth** – Looking at the Burning Glass statistics, my opinion has not changed. The job I want is still a very high in demand job and all the skills necessary are mostly what I expected to have to need. It did surprise me how high in demand JAVA was though. I was surprised to know how high in demand JavaScript skills were. I will have to start focusing on learning that before I can move into this type of career. The main thing I have learned from this Burning Glass data is that I have a lot more study to do before I will be qualified to start working in this line of work.