# Job Title

|  |  |
| --- | --- |
| **Member** | **Job title** |
| Anthony Brown | Full Stack Developer |
| Tim Damon | Senior Gameplay Designer |
| Shaun Lottey | Senior C++ Engineer (Gameplay Programmer) |
| Jake McAndrew | ASD Software Developer/cybersecurity |
| Jason Tilgner | developer / full stack developer. |
| Jason Walstab | IoT Solutions Leader |

## Consideration of what the Burning Glass list of job titles is presenting

There are some obvious problems using the Burning glass data is such a raw state to think about career aspirations.

I see a couple of problems

Firstly, the current listing is also overly dramatic. Instead of ordering by counts, if you where to group similar counts into a percentage of total jobs advertised, the minor and inconsequential variation of counts to be ignored. Ranking by percentage points drops the ranking groups from 200 to 24 – see TABLE1.

The second issue is job title not being properly combined. System architect looks like the most in demand job, but this is easily disproved.

Search for job titles with the word ‘desk’ in them reviews the changing trends in the name used to describe support staff. A count of 16 job titles with a sum of 2K of job adds making them by far the most prolific job placements at 6% of the total.

Similarly, accounting for the variation in naming of front-end developer positions reveals a much healthier count for this role. Sum together this is 1197 job placements at 4% of the total. Again, a substantial lead to systems architect.

The other thing entirely missing from this list is salary. There may have only been 50 IT Security Analyst listed in the last year, but if they are being paid $250K annually, then perhaps this is exactly the type of job a graduate should be aiming to progress towards.

Jobs

Full stack developers have developed skills in front end and back end frameworks. This means they have skills to apply for more than just things called full stack. I accumulated a list of front end, back end, cloud and database type roles that are encompassed by ‘full-stack’. This totals 2750 job adds. A healthy line of business. See Table 2

TABLE1: a less dramatic way to rank Job title advertisements

|  |  |
| --- | --- |
| **Row Labels** | **Count of Title** |
| 3.3% | 1 |
| 3.0% | 1 |
| 2.7% | 1 |
| 2.6% | 2 |
| 2.5% | 1 |
| 2.4% | 1 |
| 2.3% | 1 |
| 2.2% | 1 |
| 1.9% | 1 |
| 1.8% | 1 |
| 1.6% | 3 |
| 1.3% | 2 |
| 1.2% | 1 |
| 1.1% | 4 |
| 1.0% | 1 |
| 0.9% | 4 |
| 0.8% | 6 |
| 0.7% | 3 |
| 0.6% | 10 |
| 0.5% | 13 |
| 0.4% | 25 |
| 0.3% | 34 |
| 0.2% | 70 |
| 0.1% | 13 |

TABLE2: Roles available for full stack developers

|  |  |
| --- | --- |
| **Job title** | **ad counts** |
| Full Stack Developer | 344 |
| Full Stack Java Developer | 115 |
| Full Stack .Net Developer | 113 |
| Senior Full Stack Developer | 98 |
| Full Stack Web Developer | 49 |
| Front End Developer 1 | 738 |
| Senior Front End Developer | 303 |
| Front End Web Developer | 85 |
| Frontend Developer 2 | 71 |
| Cloud Engineer | 65 |
| Cloud Architect | 58 |
| Database Administrator | 238 |
| Data Engineer | 182 |
| Data Architect | 162 |
| Data Administrator | 82 |
| Data Warehouse Developer | 44 |
| **TOTAL** | **2747** |