



IT Labor Market Analysis: Higher Education vs. Other Industries

Australia and New Zealand

IT Forum

Region in Focus: Australia and New Zealand

- This report analyzes online job postings for IT professionals of all degree levels from September 2019 to August 2022.

Key Takeaways

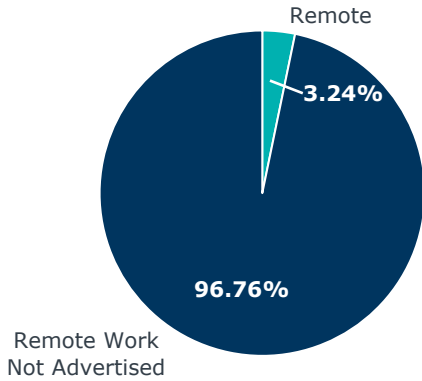
- **Remote Work:** Job postings advertising remote work account for 3.24% of postings in the higher education industry compared to 5.19% of postings in all other industries.
- **In-Demand Titles:** Both industry groups most frequently advertise job postings for “Software Engineers” and “Solutions Architects.” However, the higher education industry shows slightly greater demand for “Network Engineers.” Two of the top ten titles advertised by the higher education industry are network engineering positions (“Senior Network Engineers” and “Network Engineers”), while none of the top ten titles advertised by all other industries are network engineering titles.
- **In-Demand Skills:** Compared to all other industries, the higher education industry demonstrates slightly greater demand for the skill “technical support” (“technical support” is listed in 12.48% of higher education jobs compared to 7.93% of all other industry jobs), but less demand for the skills “DevOps,” “Java,” “Microsoft C#,” and “Microsoft Azure.”
- **Education Levels:** Higher education and all other industries do not list education requirements in the majority of job postings. However, among job postings listing education requirements, the higher education industry more frequently requests postgraduate degrees (7.39% of higher education postings compared to 0.66% of all industry postings).
- **Top Employers:** The top employers advertising IT job postings include the “University of Queensland,” “Monash University,” and “University of New South Wales” in the higher education industry and the “New South Wales Government,” “Government of Victoria,” and “Australian Government” in all other industries. Top employers advertising remote IT job positions include the “University of Queensland,” “University of Auckland,” and “Deakin University” in the higher education industry and “Westpac Banking Corporation,” “Government of Victoria,” and “Atlassian” in all other industries.



State of IT Jobs in Higher Education vs. Other Industries

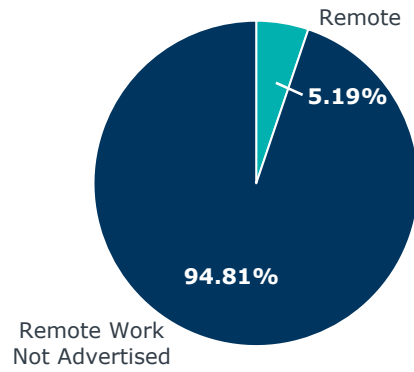
Proportion of Job Postings Advertising Remote Work (Higher Education)

n = 4,072 job postings (132 remote postings)



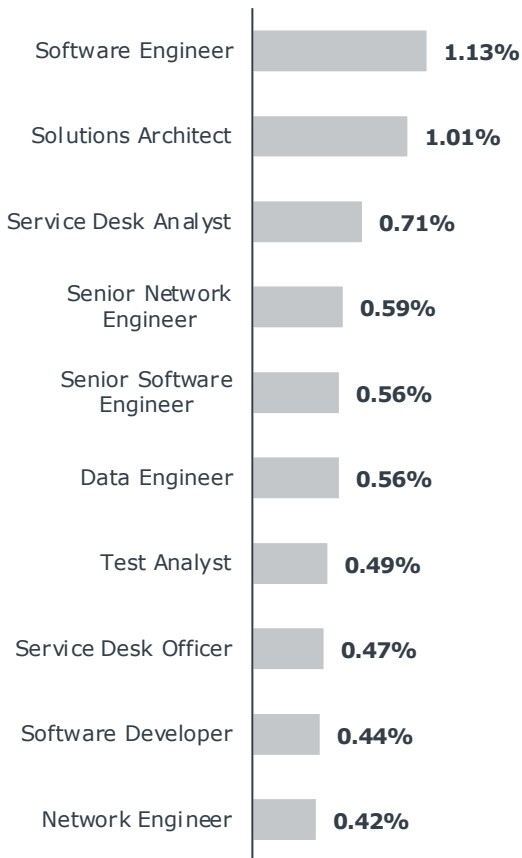
Proportion of Job Postings Advertising Remote Work (All Other Industries)

n = 337,419 job postings (17,525 remote postings)



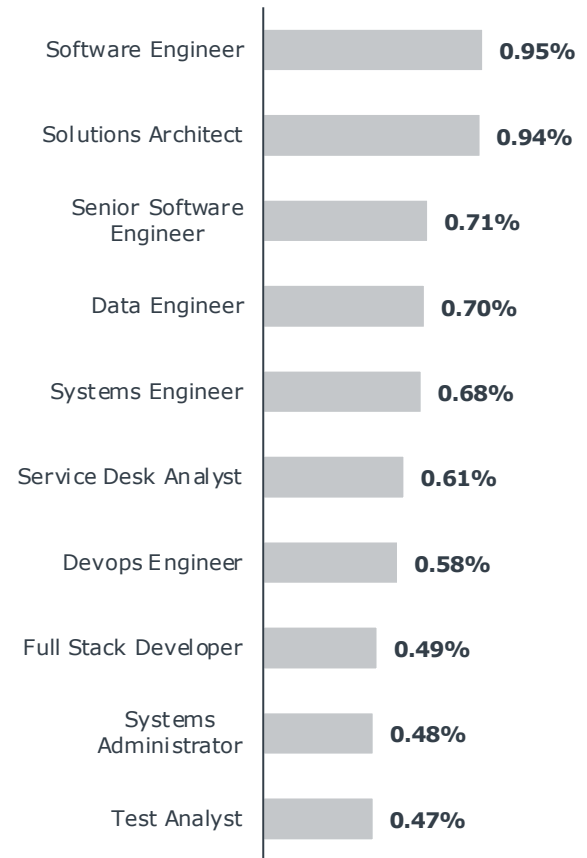
Most Commonly Advertised Job Titles for IT Professionals (Higher Education)

n = 4,072 job postings



Most Commonly Advertised Job Titles for IT Professionals (All Other Industries)

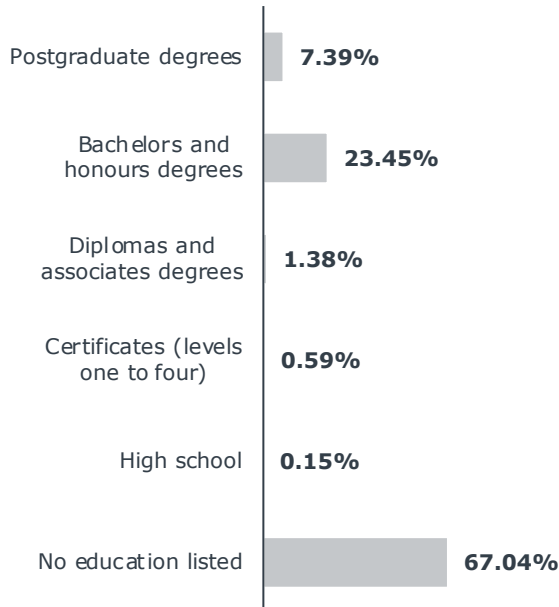
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Source: Labour Insights; EAB interviews and analysis.

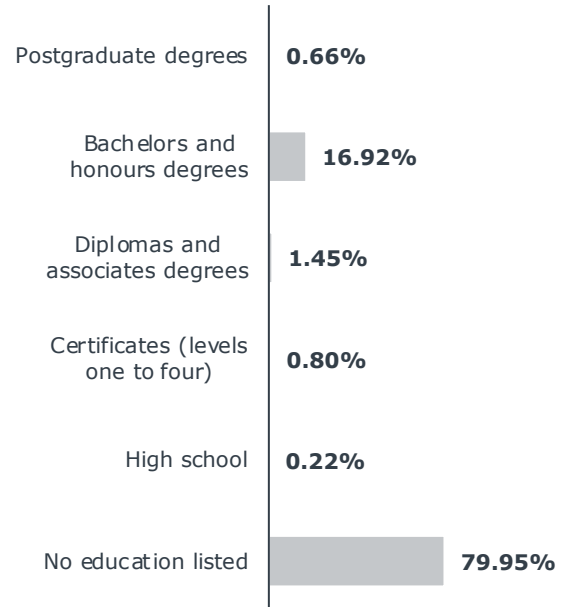
Education Levels Requested of IT Applicants (Higher Education)

n = 4,072 job postings



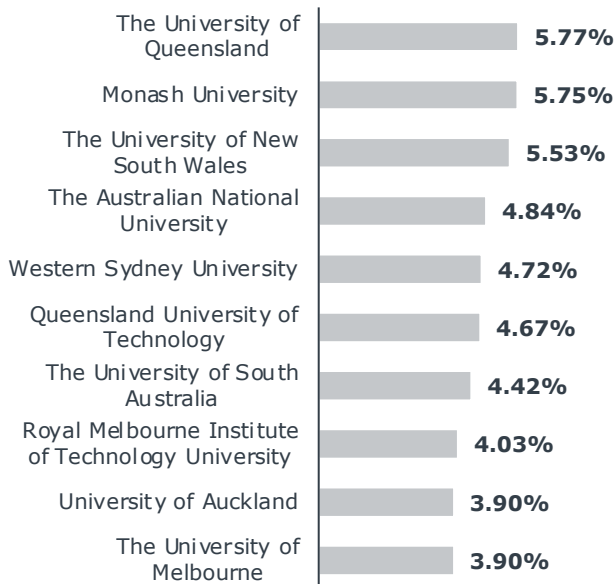
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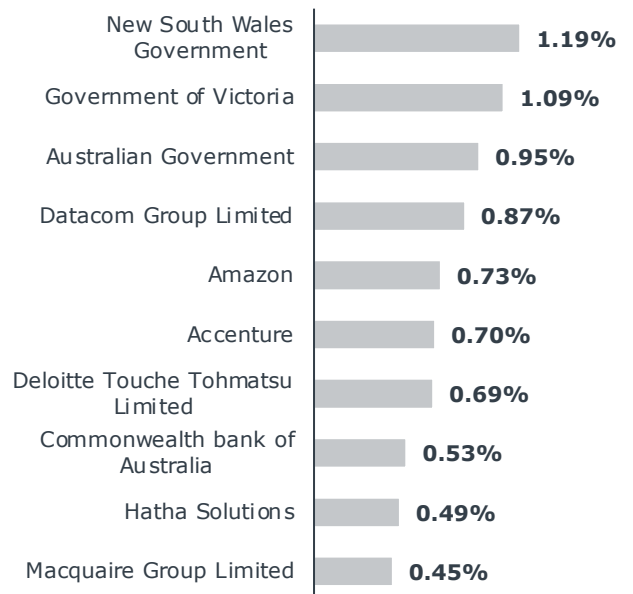
Top Employers Seeking IT Applicants (Higher Education)

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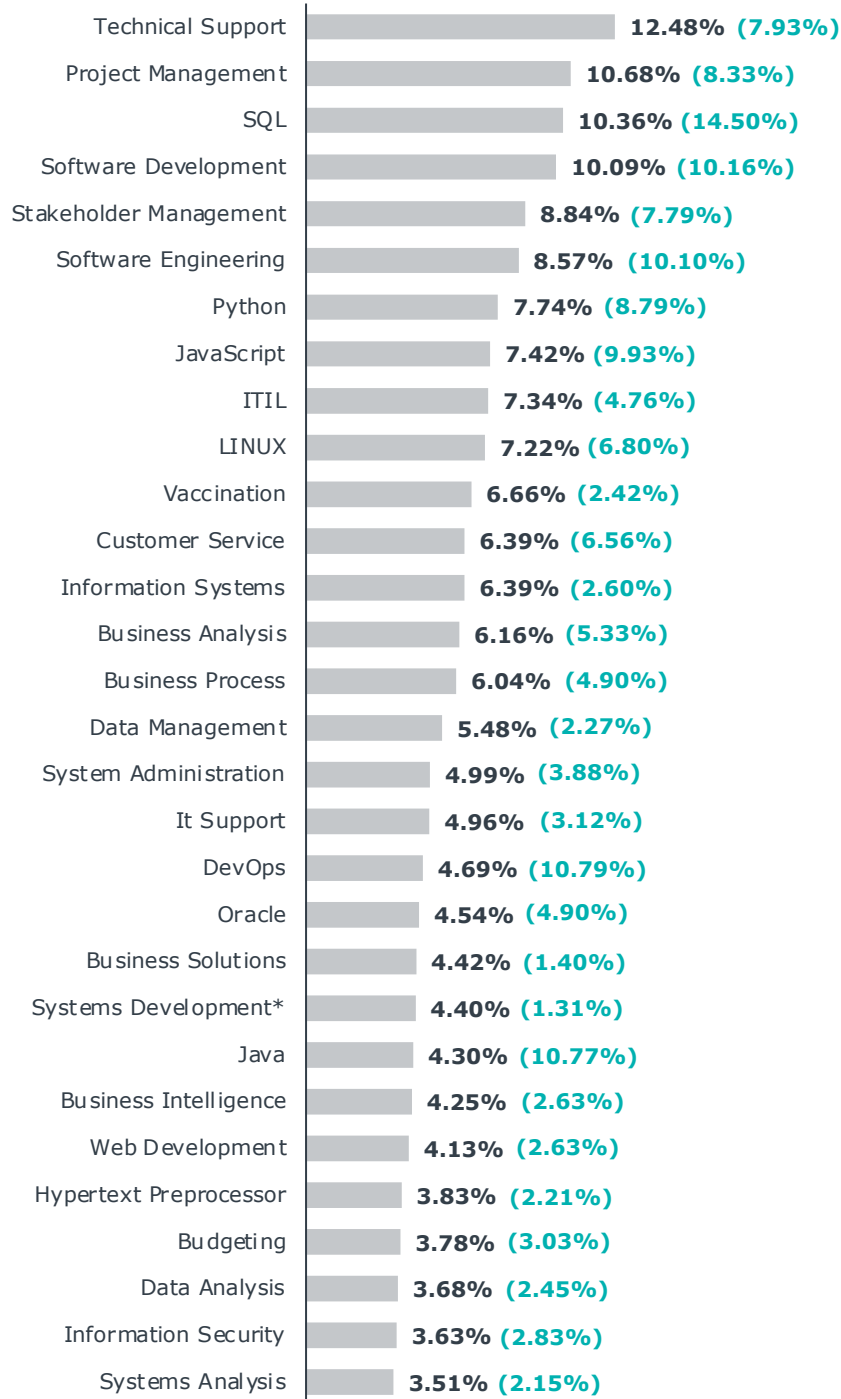
Top Employers Seeking IT Applicants (All Other Industries)

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Top 30 Skills Requested of IT Applicants in Higher Education (Compared to All Other Industries)

n = 4,072 job postings in higher education (337,419 job postings in all other industries)



Label Abbreviation:

* "System Development*" refers to "System Development Life Cycle (SDLC)."

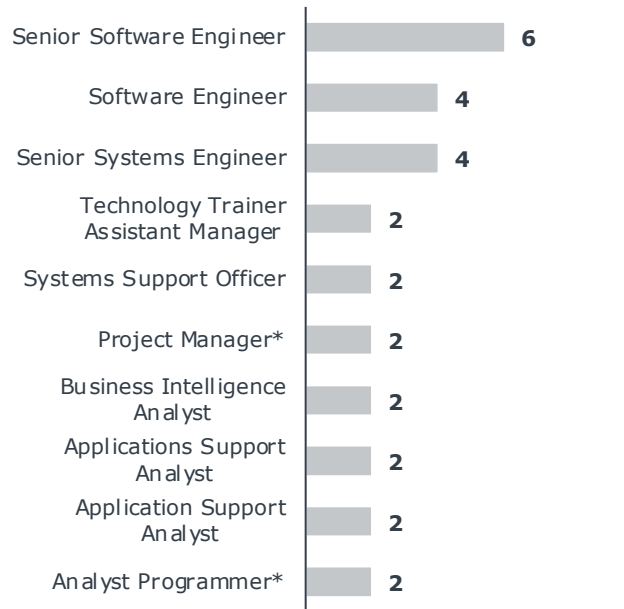
Source: Labour Insights; EAB interviews and analysis.



Remote Work in Higher Education and Other Industries

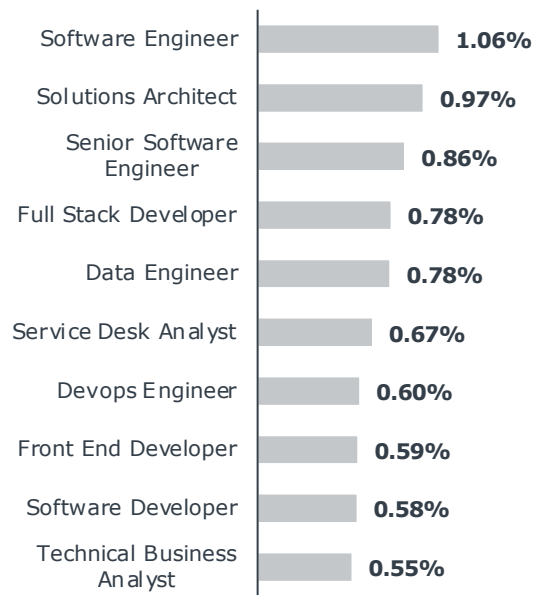
Most Commonly Advertised Job Titles for Remote IT Applicants (Higher Education)

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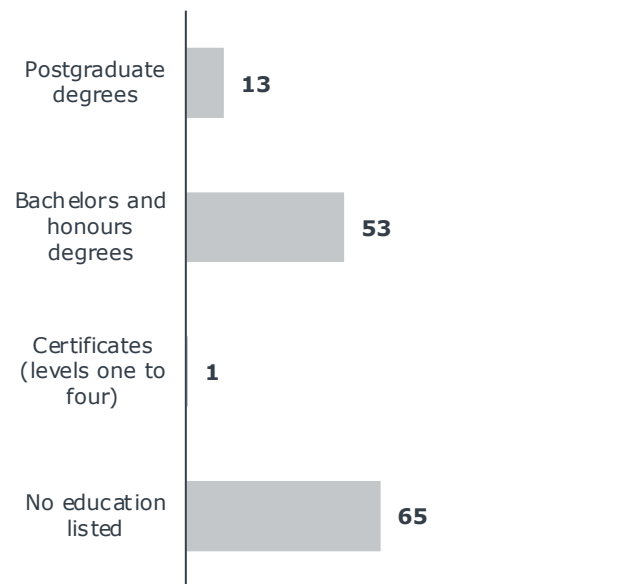
Most Commonly Advertised Job Titles for Remote IT Applicants (All Other Industries)

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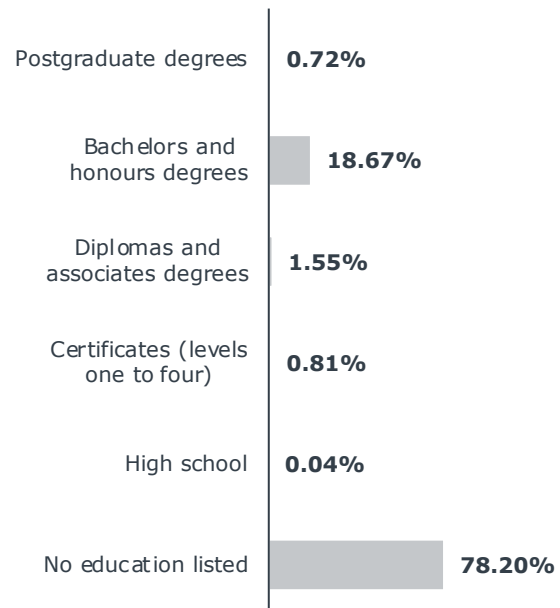
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Education Levels Requested of Remote IT Applicants (All Other Industries)

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Due to the low number of job postings, the graphs of remote job postings for the higher education industry visualize the actual number of postings rather than the percentage of postings. These graphs provide examples of the types of remote jobs the higher education industry advertises, but due to the low number of jobs, do not provide a significant point of comparison against remote job postings for all industries.



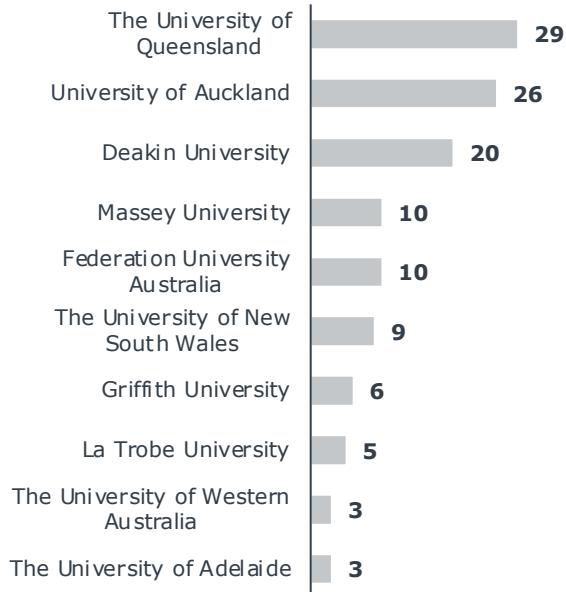
Label Abbreviation:

- "Analyst Programmer*" refers to "Analyst Programmer, Web Analytics Internal Applicants Only."
- "Project Manager*" refers to "Project Manager – Networks and Engagement."

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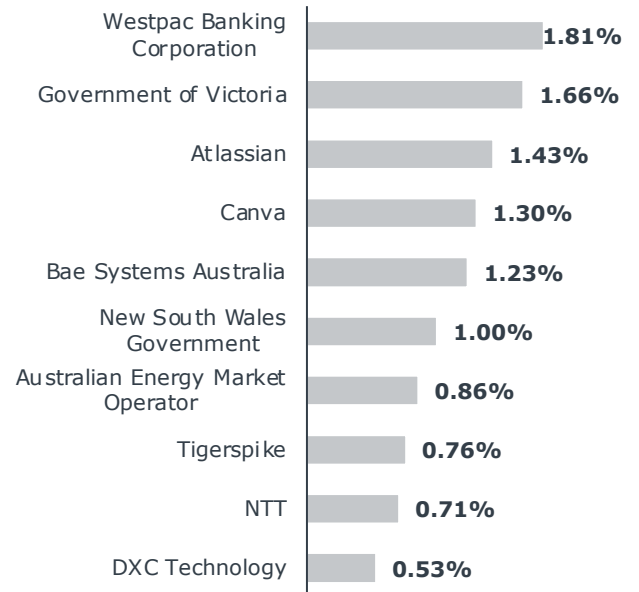
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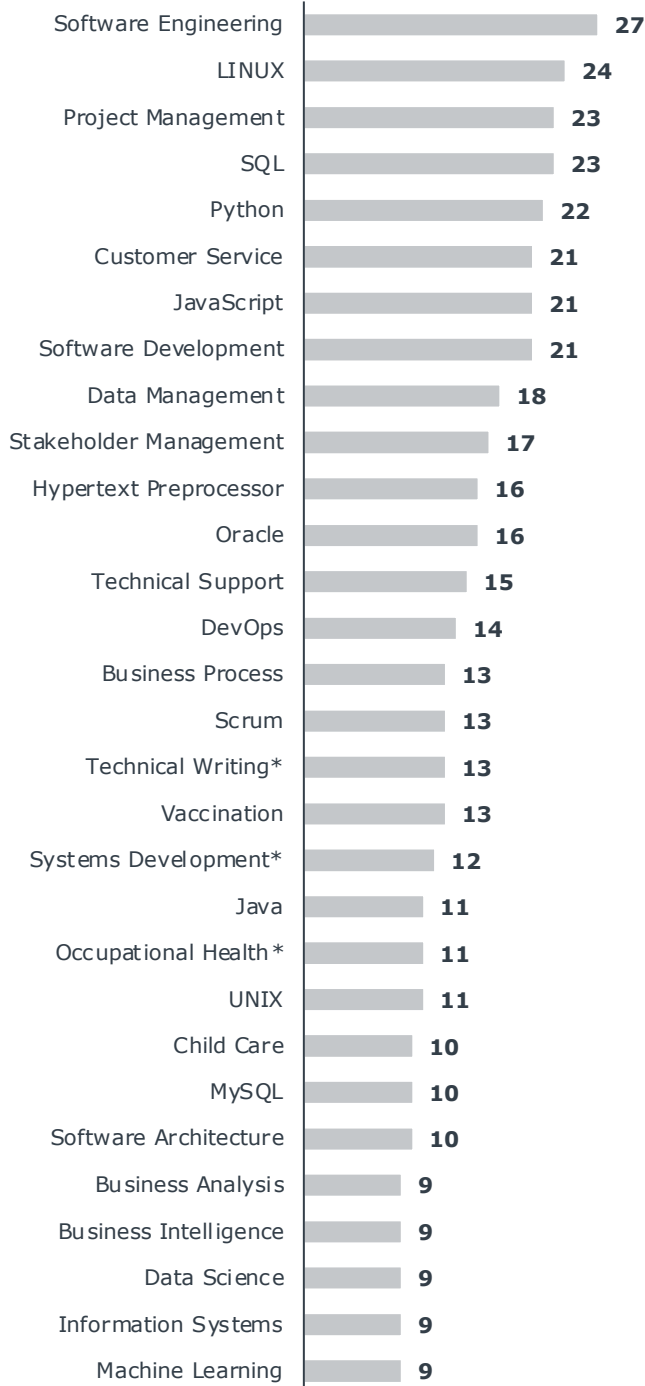
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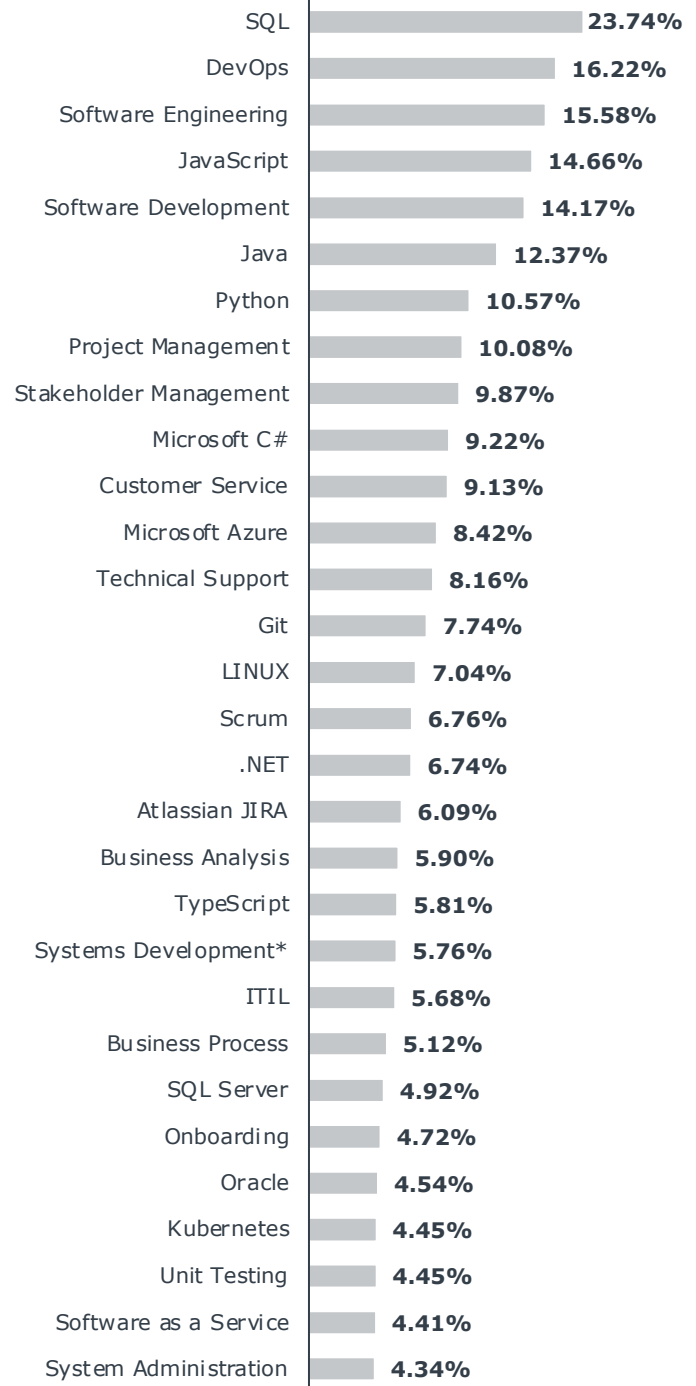
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Top 30 Skills Requested of IT Applicants (All Other Industries)

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Label Abbreviation:

- "System Development*" refers to "System Development Life Cycle (SDLC)."
- "Technical Writing*" refers to "Technical Writing / Editing."
- "Occupational Health" refers to "Occupational Health and Safety."

Source: Labour Insights; EAB interviews and analysis.