HR AVATAR™
EMPLOYMENT TESTS

Candidate:	**Betty Penske**
Assessment:	Computer Programmer - Ruby
Completed:	April 27, 2024
Prepared for:	Susan Bookman
	HR Avatar Data Collection Account

Test Results and Interview Guide

The Computer Programmer - Ruby assessment measures key factors related to high performance and tenure in this job. Attribute types measured vary by test, but can include cognitive ability, skills, knowledge, personality characteristics, emotional intelligence, and past behavioral history. This report includes a one page summary, followed by detailed results with an embedded interview guide. Note that these results should always be used as a part of a balanced candidate selection process that includes independent evaluation steps, such as interviews and reference checks.

Proprietary and Confidential

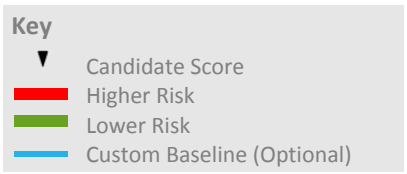
Overall

Candidate	Score	Interpretation
Betty Penske bettypenske@yourcompany.org Computer Programmer - Ruby April 27, 2024	76	

Summary: Moderate to High Performance Potential

Potential Risk Areas

- Low corporate citizenship score could indicate potential for questionable behavior.



Competency Summary

Competency	Score	Interpretation
Cognitive Abilities (relates to job performance, problem-solving, ability to learn, etc.)		
Analytical Thinking	74	
Attention to Detail	76	
Multitasking	75	
Skills/Knowledge (relates to immediate readiness)		
Core Ruby	77	
Writing	69	
Personality Characteristics (relates to fit with the job/team environment)		
Adaptable	67	
Competitive	93	
Corporate Citizenship	10	
Develops Relationships	87	
Enjoys Problem-Solving	66	
Exhibits a Positive Work Attitude	81	
Expressive and Outgoing	74	
Innovative and Creative	86	
Needs Structure	70	
Seeks Perfection	84	
Behavioral History (relates to performance and turnover)		
History Survey - Performance	94	

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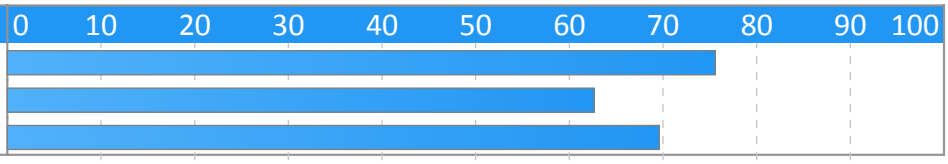
History Survey - Tenure	89	

Comparison

Percentile scores indicate how the candidate compares to other test-takers within various groups. The candidate scored equal to or better than the fraction of test-takers indicated by the percentile.

Test-Taker Group	Percentile
Global	76th
United States	63rd
HR Avatar Data	70th



Importance to Job

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Assessment Overview

This assessment provides scores for a number of important factors and competencies that are related to success on the job. Scores are presented based on their potential impact on job performance.

Scores are presented individually on a scale of 0-100. In most cases, including the overall score, higher scores represent higher expected job performance. However, for some competencies, either extreme low or extreme high scores indicate a risk of lower performance. Refer to the interpretation section of each competency for additional information.

Individual competency scores are also combined into a single overall score. Please note that individual competencies are weighted differently, depending on their type, and on fine adjustments based on data from the US Government's Occupational Data Network (O*Net).

Each competency measured includes one or more suggested interview questions, in an easy-to-use format. These questions should be used for additional probing, especially when the score shows an area of relative weakness.

Some of the competencies measured evaluate preferences for doing (or not doing) specific activities. Scores for these competencies can be used to evaluate job-fit.

We wish to emphasize that the data contained in this report should be used as part of a comprehensive process for evaluating job candidates. Additional data should include in-person interviews, job tryouts, resume review, and background checks.

Detail

Candidate:	Betty Penske, bettypenske@yourcompany.org
Assessment:	Computer Programmer - Ruby
Authorized:	April 27, 2024, by Susan Bookman, HR Avatar Data Collection Account, sue.bookman@richardson.biz
Started:	April 26, 2024, 8:31:31PM EST
Completed:	April 26, 2024, 8:31:31PM EST
Overall Score:	76

Cognitive Abilities Detail

This section contains a list of job-related cognitive abilities that have been evaluated in a job-like context using HR Avatar's simulation technology. Studies have demonstrated that cognitive abilities are highly correlated with job performance for many jobs. Abilities also correlate with problem-solving and the ability to learn quickly.

Detail	Interview Guide
Analytical Thinking Score: 74 *Description:* This scale indicates the capacity to think in a thoughtful, discerning way, to solve problems, utilize resources, and analyze data. Individuals who demonstrate high amounts of analytical thinking are able to recognize patterns rapidly, navigate through problems, and resolve difficult problems systematically. *Interpretation:* Strong scores in this area correlate with above average performance for many jobs. Usually able to think in a thoughtful, discerning way. Capable of solving difficult problems, planning many-featured tasks and projects, organizing multiple resources, and analyzing complex data with only occasional assistance. Usually able to quickly recall and use information when needed or appropriate.	Tell me about a complex problem, situation, or planning task you had to deal with. What were the challenges, and how did you overcome them? 1 Example lacks complexity. Data seeking is limited, analysis may be lacking, actions unclear, not relevant, or ineffective. 2 3 Example is moderately complex. Shows some analytical thinking and problem solving. Actions have mixed or limited effectiveness. 4 5 Example shows complexity. Thorough investigation of all areas that might affect the decision. Actions are clear, relevant, and effective.

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Detail	Interview Guide
Attention to Detail Score: 76 *Description:* This scale represents thoroughness, accuracy, and being concerned for all areas involved no matter how insignificant. Individuals who demonstrate high Attention to Detail produce work products that are consistently accurate and require little checking. They rarely forget schedule commitments or overlook even the smallest details. *Interpretation:* Strong scores in this area correlate with above average performance for many jobs. Usually able to achieve a high degree of thoroughness and accuracy in a work task. Concerned for most areas involved. Requires only occasional oversight and checking.	Give me an example of a time you discovered an error that had been overlooked by either you or someone you were working with. What did you do? What was the outcome? 1 Unclear or careless example. Can't describe what was overlooked. No action. 2 3 Moderately clear example. Some concern for details. Direct but passive action. 4 5 Very detailed. Concern for all relevant components. Clear, proactive actions.
Multitasking Score: 75 *Description:* The ability to rapidly shift focus mentally from one task or issue to another while maintaining quality and attention to detail. *Interpretation:* Strong scores in this area correlate with above average performance for many jobs. Exhibits a moderate capacity to change between areas of mental focus without sacrificing responsiveness, quality and attention to detail.	Tell me about a time when you had a large number of things going on at the same time, and you needed to quickly shift your attention between them. 1 Unable to shift focus effectively. Became frustrated or had to slow down. 2 3 Some ability to juggle between activities. 4 5 Managed multiple independent activities effectively

Knowledge and Skills Detail

This section contains a list of job-related knowledge areas and skills that have been evaluated. Low scores in these areas often indicate that additional learning may be required before top performance can be achieved.

Detail	Interview Guide
Core Ruby Score: 77 *Description:* Evaluates the candidate's knowledge of Core Ruby with an aim to determine the degree of training that will be required before the candidate can be expected to become productive. *Interpretation:* Candidate should achieve above average job performance in this area with little or no training. Scores indicate good working knowledge of this topic. Candidate is likely ready to be productive with very little basic training or with immediate entry into advanced training.	Tell me about a project or task where you had to use your knowledge of Core Ruby. 1 Example didn't require or demonstrate knowledge. 2 3 Knowledge was only moderately important or moderately demonstrated in example. 4 5 Clearly relevant application and demonstration of knowledge.

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Detail	Interview Guide
Writing Score: 69 *Description:* The ability to concisely and succinctly convey ideas and information via written text. *Interpretation:* Above-average writing skills can positively impact performance in many jobs. Above average. Conveys ideas in a concise and succinct format. See writing sample section of report for raw essay(s) submitted. • Raw computed score: 80 • Computed score confidence: 75 • Approximate Word Count: 247 Please see below to view the essay submitted.	Are you comfortable when you need to express yourself through writing? Do you feel confident you can get the right message across? 1 Not confident in own writing ability. Prefers speaking. 2 3 Somewhat confident in own writing ability. Writes frequently. 4 5 Very confident in ability to write. Has received compliments on clarity of written correspondences.

Personality Characteristics Detail

This section contains a list of personality characteristics that are frequently associated with job performance. Remember, these are not skills and do not indicate the ability to do a job. Rather, they can be used to evaluate the candidate's fit with the general needs of the job and the organizational culture. Sample interview questions are provided to gather more information.

Detail	Interview Guide
Adaptable Score: 67 *Description:* This scale reflects how accepting a person is of frequent or substantial changes in his or her job requirements. Changing work requirements usually cause stress and put pressure on an individual to adapt. High scorers usually thrive under changing work conditions, while low scorers may burn out or become paralyzed. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Prefers a dynamic work environment. Able to remain focused and positive in times of significant workplace change. Fairly easy-going and relaxed.	Describe a time at work or school when things were changing so fast it was hard to stay focused. How did you adjust to it? 1 Enjoyed the chaos of fast change. Became disinterested or negative and waited for things to calm down. 2 3 Did best but felt paralyzed and unable to work effectively. 4 5 Experienced higher anxiety but tried to deal with changes in a positive way. Stayed focused.

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Detail	Interview Guide
Competitive Score: 93 *Description:* This scale indicates the degree to which an individual is driven by a desire to impress their leaders and exceed their peers. Being competitive can either be damaging or useful, depending on the job. Competitive people spend much of their time thinking about themselves and the impact decisions may have on them, and their actions are often guided by these thoughts, which can either provide the drive needed to achieve a goal, or can damage the ability of a team to work together. In general, high scorers perform well in sales and related jobs. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Highly motivated by challenging goals, financial rewards, and/or recognition, and willing to work very hard to succeed. Very focused on personal achievement.	Describe a time when you had to place accomplishing your objectives above supporting your team. Why do you think it was justified? 1 Justified for selfish or personal reasons. Shows little remorse for failing to support team. 2 3 Shows remorse and feels action was a mistake. 4 5 Clearly justified or was forced to do so by superiors. Strongly regrets and wishes could change.
Corporate Citizenship Score: 10 *Description:* This scale indicates the degree to which an individual's behavior embraces the spirit of an organization's mission, objectives, and strategy. High scorers project an attitude characterized by cooperation, trust, and openness. Low scorers often question the motives behind decisions. They may withhold information, display hostility, be defensive, or do just enough to get by. *Interpretation:* The candidate's score in this area indicates risk of a negative impact on performance for some jobs. Additional probing is strongly recommended. Distrusts the organization and management. Frequently assumes new ideas or changes will have a negative individual impact. Can be defensive regarding his or her own work, or show hostility towards management or company policies.	How do you feel about being part of an organization? Do you think most organizations have their employees' best interests at heart or do you have to always watch out for yourself? 1 Distrusts organizational motives. Feels the need to look out for self. 2 3 Supports organization but is wary of being taken advantage of. 4 5 Embraces organizational membership. Believes in organizational mission.

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Detail	Interview Guide
Develops Relationships Score: 87 *Description:* This scale indicates a person's desire to cultivate relationships. High scorers seek opportunities to meet new people and get to know them well enough to form a lasting relationship. Low scorers tend to minimize interacting with people they don't know. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Actively cultivates and maintains relationships. Able to quickly establish rapport with new acquaintances and accurately sense others' feelings. Maintains a broad social network and uses it to achieve work objectives.	Can you describe a time when you had to choose between getting the job done or preserving a relationship with a friend or co-worker? 1 Places relationship above the work objectives in all or most cases. 2 3 Sometimes struggles between work and relationships, but usually balances well. 4 5 Focuses on getting the job done but makes an effort not to hurt relationships.
Enjoys Problem-Solving Score: 66 *Description:* This scales represents a person's willingness to deal with complicated problems on a frequent or recurring basis. People with high scores prefer jobs that require mental challenge. Individuals with low scores may be intimidated when faced with complex or even simple issues on a regular basis. When jobs are routine or repetitive, people with low scores are usually a better fit. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Usually willing to analyze and formulate solutions to complex problems. Fairly confident in own ability to develop effective solutions. Sees frequent problem-solving as a core part of his or her job description, though may require prompting to take on a particularly difficult issue.	Describe some of the biggest on-the-job problems you have faced. How did you overcome them? How did you know they were solved? 1 Problems poorly described and actions taken unclear. 2 3 Moderately complex problems. Simple or obvious actions taken. 4 5 Described one or more complex problems. Actions taken are clear and relevant.

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Detail	Interview Guide
Exhibits a Positive Work Attitude Score: 81 *Description:* For some people, work is a second-place activity. That is, given a decision to take either personal time or go to work, low scorers will choose time off. Low job priority could indicate a 9 to 5 mentality. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Expects to receive both financial and personal rewards in exchange for applying his or her best energies to the job. Enjoys working. Trusts the organization to help career.	How do you feel having a regular job and going to work? Is it something you enjoy? Why or why not? 1 Views work as a means of income only. Does not enjoy. Does not care about professional reputation. 2 3 Likes work but doesn't truly enjoy it. Balances priority and energy with other obligations. 4 5 Considers work a key priority in life. Enjoys working and always applies best energy. Takes pride in work reputation.
Expressive and Outgoing Score: 74 *Description:* There are many jobs that require outgoing personalities, such as selling, management, public relations, or jobs that require positive public contact. People who score high on expressiveness label themselves as outgoing and have many social contacts. Low scores indicate the person may not have the interest or willingness to assert themselves in social settings. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Likes to speak up in group meetings to insert or advocate new ideas. Enjoys asserting his or her own ideas among others.	Can you describe a time when you worried you were being too forthright or outspoken during a discussion among your friends or co-workers? 1 Frequently worries because always seems to be the most active. 2 3 Occasionally worries but not very often. 4 5 Rarely worries because knows when to back off beforehand.

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Detail	Interview Guide
Innovative and Creative Score: 86 *Description:* This scale indicates the degree to which the person considers themselves capable of formulating original approaches to problems and other work challenges. Individuals who score high on this scale are comfortable with jobs that require them to analyze situations and/or data, and use their imagination to identify alternative approaches to evaluate each to select the most effective solution. Lower scoring individuals prefer to follow a more cookie-cutter or pre-defined approach to dealing with a specific problem. When organizations expect their people to continually generate new and better ways of producing work, it is a good idea to hire people who share this interest. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Sees him or herself as creative and capable of generating novel or original solutions to issues or problems. Open to free-form discussion of different ideas.	What is the most creative solution you have ever come up with? What were the circumstances, and why do you think it was creative? 1 Idea does not demonstrate creativity or is not related to the problem. No problem described. 2 3 Moderately creative idea or only partially related to problem. 4 5 Both problem and use of creativity well described and related to one another.
Needs Structure Score: 70 *Description:* This scale indicates the degree to which a person prefers to work within an ordered environment, with well-defined tasks, activities, rules, processes and expectations. There are many jobs that require methodical administration and follow-through. For example, traditional middle management positions require maintenance and oversight of systems, as do administrative processing and book-keeping. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Follows rules consistently. Makes decisions thoughtfully. Usually follows through on commitments. Usually able to create and/or follow detailed plans.	Have you ever had to work in a job that had little or no structure or where no one told you what to do? What did or didn't you like about it? 1 Large mismatch between comfort with structure and structure level of intended job. 2 3 Some mismatch between comfort with structure and structure level of intended job. 4 5 Comfort with structure matches the structure level of the intended job.

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Detail	Interview Guide
Seeks Perfection Score: 84 *Description:* This scale indicates a person's desire for accuracy. People with high perfection scores are committed to meeting or exceeding standards for quality and take pride in the accuracy of their work. People with too little perfectionism may be sloppy and unconcerned with quality. *Interpretation:* The candidate's score in this area should contribute to enhanced overall job performance. Highly intent on achieving perfection in work products and commitments. Willing to do whatever it takes to achieve the desired standard of excellence. Takes pride in having a reputation for quality.	Can you describe a time when you were trying to finish a project or task but your boss made you stop before you felt it was ready? 1 Frequently cut short by boss because standards are too high. 2 3 Sometimes cut short but not often. 4 5 Rarely cut off because has a good sense of what is good enough.

Behavioral History Detail

This section evaluates answers the candidate gave concerning his or her work-related history. Studies often show that a candidate''s past behavior often indicates his or her future behavior. Potential caution areas (if any) are specified in each detail section.

Detail	Interview Guide
History Survey - Performance Score: 94 *Description:* Evaluates elements of the candidate's past work and education history to identify indications of high or low performance potential. *Interpretation:* The candidate's score indicates past behaviors that contribute to high job performance. Exhibits past behaviors and achievements that are likely to enhance job performance. The following potential performance risk areas were identified: • Below average productivity history • Below average performance reviews Further probing is recommended for each of these items.	How does your work compare with your peers? Do you produce more or less? How do you know? 1 2 3 4 5 What kind of feedback have you received about your performance from your managers and your peers? 1 2 3 4 5

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Detail	Interview Guide
History Survey - Tenure Score: 89 *Description:* Evaluates a candidate's past employment history and related factors for indications of potentially low job tenure. *Interpretation:* The candidate's score indicates past behaviors that contribute to high job performance. Exhibits behaviors likely to result in longer than average job tenure. The following potential performance risk areas were identified: • Frequent job changes • Potential long commute Further probing is recommended for each of these items.	Review your last few jobs with me, explaining why you left the old job and what attracted you to the new one. ☆ 1 ☆ 2 ☆ 3 ☆ 4 ☆ 5 What is the longest distance you have had to commute to work? What did you do during the commute? How long did you keep that job? ☆ 1 ☆ 2 ☆ 3 ☆ 4 ☆ 5

Writing Sample(s)

During the assessment, the candidate was asked to write one or more passages. The text they wrote is included in the table below for review.

Writing Sample - Question	Response
Please write an essay describing the HR Avatar essay feature.	This is a sample essay. In a real test situation, the candidate or test taker would write an essay as a part of their assessment, in response to the question associated with this entry. All reports will share their writing as received. In some cases, our artificial intelligence engine will process their response to create a numerical score. Our system also checks for plagiarism, both among previously submitted essays, and the broader Internet. Additionally, spelling, grammar, and style checks are performed. Essay typically are from 150 to 600 words. They can be written in response to an explicit question, or they can be free-form responses to general questions.

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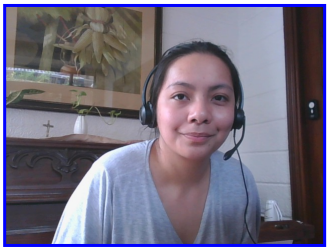
Identity Confirmation Photos

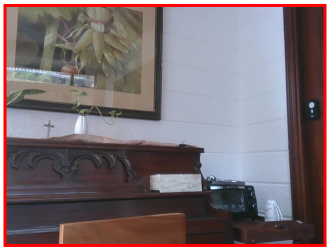
The following photos of the candidate and any identification were uploaded during the assessment session.

Photo Analysis Results	
- Risk:	Medium risk of cheating based on image inconsistencies
- Percent match among processed faces	100%
- Total images processed	17
- Total images with valid faces	14 (82%)
- Total pairs of faces compared	13
- Pairs in which faces matched	13 (100%)



Pre/Post-Test Photo

ID Photo



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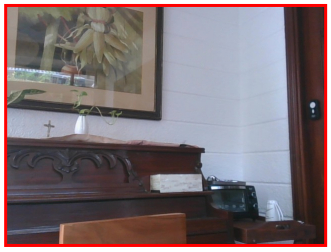

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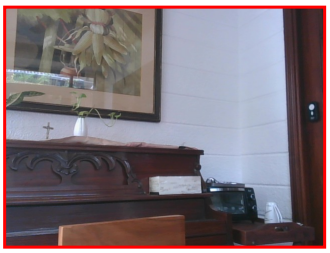
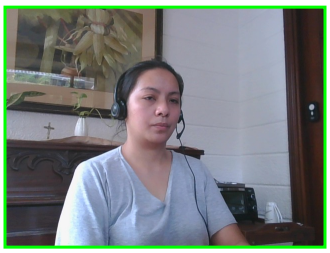


In-Test Error Detected (No Face Detected)

In-Test Photo



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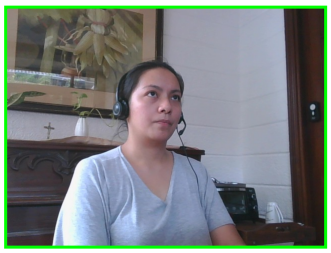
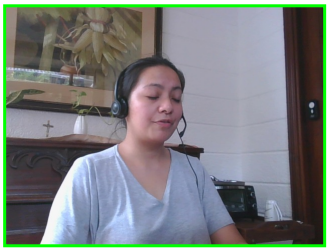
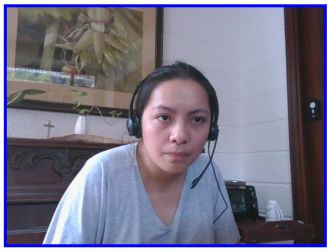


In-Test Photo



In-Test Photo



Pre/Post-Test Photo

Minimum Qualification Guidelines - from O*Net

The following are suggestions from O*Net, the United States government's occupational information network, regarding prerequisites for this job type.

Item	
Educational Achievement	Bachelor's Degree
Job-Related Training	6 Months - 1 Year
Job-Related Experience	1 - 2 Years

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Report Preparation Notes

- Hiring decisions should never be based on a single source of information. The most effective use of this assessment report is as a part of a multi-faceted program of candidate evaluation that includes resume review, interviews, and reference checks.
- Overall vs Percentiles Scores: The overall score reflects the success in the test, based on the mean (average) and standard deviation of the test scores. The percentile score reflects the percentage of test-takers who scored equal or below this overall score. We recommend you use the Overall Score as your primary evaluation criteria. However, percentile scores can often be useful in comparing specific candidates against one another and with a group, such as for test takers in a certain organization or within a certain account.
- Note that comparison information is calculated based on completed instances of this assessment at that time the assessment is scored. As additional instances are completed, the comparative data may change. You can always update a report to the current values by clicking on ''Recalculate Percentiles'' within the online results viewing pages at www.hravatar.com.
- Most competency scores are norm-based, which means that they can be interpreted in terms of their distance from the average or mean score. For all scales, a score equal to the mean receives a score of 65 and scores above and below this value are set so that a score change of 15 equals one standard deviation.
- For linear competencies, higher is better across the entire scale. For these scales a score between 65 and 80 (light green) represents 0 to 1 standard deviation above the mean and a score above 80 (dark green) represents more than one standard deviation above the mean. Similarly, a score of 50 - 65 (yellow) represents 0 to 1 standard deviation below the mean, while a score of 35 - 50 (orange) equates to 1 to 2 standard deviations below the mean, and a score below 35 represents more than 2 standard deviations below the mean.
- This assessment makes use of data from the Occupational Information Network (O*NET), which is funded by the U.S. Federal Government - U.S. Department of Labor/Employment and Training Administration (USDOL/ETA) - as a primary source of occupational information. The O*NET database contains information on hundreds of standardized and occupation-specific descriptors that are continually updated by ongoing research. These data are used in preparing descriptive information as well as setting relative weights between competencies used in calculating the overall score. For additional information about O*NET, visit http://www.onetcenter.org.
- O*Net Standard Occupational Code (SOC) Used: 15-1251.00
- O*Net Version: 24.0
- Sim ID: 382-14, Key: 0-0, Rpt: 13, Prd: 211, Created: 2024-04-27 01:31 UTC
- UA: Mozilla/5.0 (Windows NT 6.3; Trident/7.0; Touch; rv:11.0) like Gecko

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Score Calculation Detail

The following table provides a summary of how the overall score was calculated from the individual competency scores. Competency scores are calculated on a 0-100 scale by first calculating a Z statistic based on test-taker responses and then transforming the Z value to a scale with target mean and standard deviation. Certain competencies have a normal score distribution where it is best to be closest to the mean. For these competencies we modify the Z statistic by multiplying its absolute value by minus 1 for the overall score calculation. Next, to calculate the overall score, a weighted average of all modified competency Z statistics is computed and this weighted average is itself transformed to a Z statistic, which is then transformed to a score with the same target mean and standard deviation. Finally outlier scores are adjusted if they are below 0 or above 100.

Competency	Score	How applied to overall	Score Value Used	Weight (%)
Adaptable	67.8556	Z-Statistic	0.1904	2.7472
Analytical Thinking	74.4795	Z-Statistic	0.6320	10.9340
Attention to Detail	76.2289	Z-Statistic	0.7486	10.3956
Competitive	93.7096	Z-Statistic	1.9140	3.1107
Core Ruby	77.4668	Z-Statistic	0.8311	16.6157
Corporate Citizenship	10.0000	Z-Statistic	-3.6667	2.9782
Develops Relationships	87.7962	Z-Statistic	1.5197	1.8264
Enjoys Problem-Solving	66.9806	Z-Statistic	0.1320	3.0281
Exhibits a Positive Work Attitude	81.3321	Z-Statistic	1.0888	3.0244
Expressive and Outgoing	74.9689	Z-Statistic	0.6646	1.8143
History Survey - Performance	94.1708	Z-Statistic	1.9447	8.3079
History Survey - Tenure	89.5347	Z-Statistic	1.6356	8.3079
Innovative and Creative	86.3939	Z-Statistic	1.4263	2.1202
Multitasking	75.5493	Z-Statistic	0.7033	7.2910
Needs Structure	70.2466	Z-Statistic	0.3498	2.9077
Seeks Perfection	84.8410	Z-Statistic	1.3227	2.9077
Writing	69.6713	Z-Statistic	0.3114	11.6829
Weighted Average of Competency Z-Scores:				0.7813
Mean applied to Raw Weighted Avg:				0.0000
Standard Deviation applied to Raw Weighted Avg:				1.0000
Normalized Raw Score:				0.7813
Mean:				65.0000
Standard Deviation Used:				15.0000
Final Overall Score:				76.7197

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Notes

(This area is intentionally blank - it's reserved as space for your notes.)

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