**REQ NUMBER 44922 Application Developer**

Directions

For **each** Mandatory Requirement and Desirable Skill or Attribute, unless otherwise requested, provide:

* The client work was performed for as well as the dates (month and year) and duration of the engagement
* A list of the project(s) and/or role(s) in which the candidate’s experience was obtained. Include a brief overview of the project/role and an achievement or result(s) specific to the requirement.
* A reference to the candidate’s resume where additional information pertaining to the requirement can be found.

Refer to the example responses below. Candidate responses should explicitly address the requirement and be structured as per the **Quality Response** table below. Avoid responses similar to those in the **Poor Responses** table.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Quality Response** | | |
| **Requirement** | | **Required Experience** | **Candidate Response \*\*** |
| **M1** | Experience managing a minimum of three projects for an organization of equivalent size and complexity to the Government of Alberta. | 3 projects | Senior resource with 8 years of experience as a Senior Project Manager obtained from the following projects:  **ABC Company: DEF Project, Senior Project Manager, December 2011- December 2014 (3 years).**  Project 1   * Brief overview of the project/role and the project budget. * Achievement or results pertaining to the requirement. * Reference to candidate resume where additional information pertaining to the requirement can be found.   **XYZ Company: Senior Project Manager, November 2007-November 2011 (5 years).**  Project 1   * Brief overview of the project/role and the project budget. * Achievement or results pertaining to the requirement. * Reference to candidate resume where additional information pertaining to the requirement can be found.   Project 2   * Brief overview of the project/role and the project budget. * Achievement or results pertaining to the requirement. * Reference to candidate resume where additional information pertaining to the requirement can be found. |

|  | | Poor Responses | |
| --- | --- | --- | --- |
| Requirement | | Required Experience | Candidate Response (Poor Responses – Risk Failure) |
| M1 | Experience managing a minimum of three projects for an organization of equivalent size and complexity to the Government of Alberta. | 3 projects | Senior resource with 10 years of experience. Company A: Mar.2011 to Jan. 2014 Company B: Nov 2001 to Feb. 2011 |
| M1 | Experience managing a minimum of three projects for an organization of equivalent size and complexity to the Government of Alberta. | 3 projects | 25 years as a project manager working on a variety of projects across several sectors. |
| M1 | Experience managing a minimum of three projects for an organization of equivalent size and complexity to the Government of Alberta. | 3 projects | See E2 above. |
| M1 | Experience managing a minimum of three projects for an organization of equivalent size and complexity to the Government of Alberta. | 3 projects | Refer to resume, pages 2, 3, 4, 5. |

**REQ NUMBER 44922 Application Developer**

**Candidate Name :**

**Mandatory Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **\*Required Amount of Experience** | **\*\*Candidate Response** |
| M1 | The proposed resource must meet or exceed one of the following combinations of education or certification and experience in the resource role:   * University graduation in a related discipline and four years related experience;   OR   * two-year diploma in a related discipline from a recognized post-secondary institution and six years related experience;   OR   * a one-year certificate in a related discipline from a recognized post-secondary institution and seven years related experience;   OR   * a currently active professional certification or accreditation in a related discipline from a recognized issuing body and seven years related experience. | YES | Senior resource has Bachelor degree and master degree in Computing Science from University of Alberta and have 10 years of professional experience as a developer:   1. As software engineer in AMMI lab from May 2005 to May 2008 (3 years) 2. As senior application developer in Enbridge Pipeline from July 2008 to July 2010 (2 years) 3. As senior developer in Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 4. As senior developer in GE Intelligent Platforms from May 2013 to December 2013 (10 months) 5. As senior developer in Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) 6. As senior developer in iATS Payments (6 months) |
| M2 | Experience developing and maintaining ASP.NET applications within an organization of equivalent size and complexity to the Government of Alberta. | 3 years | Senior resource has more than 4 years of experience working with ASP.NET applications obtained from the following projects:  **Enbridge Pipeline: Leak Reporting System Enhancement project, July 2008 – July 2010 (2 years)**   1. Perform requirement gathering 2. Remodel the database 3. Create new web forms according to the requirement specifications.   **GE Intelligent Platforms: GE software version notification service project, May 2013 – December 2013 (10 months)**   1. Perform requirement gathering 2. Implement web services to retrieve software catalog data from database 3. Implement the web forms for internal users to update software catalogs   **Enbridge Pipeline: Trainer upgrade project, January 2014 – July 2015 (1 year and 6 months)**   1. Perform requirement gathering and analysis 2. Implement a web platform to allow administrator to monitor the simulation engine and system resource of each server. |
| M3 | Experience with unit testing, system testing and test-driven development and tools within an organization of equivalent size and complexity to the Government of Alberta | 3 years | Senior resource has 7 years of experience designing and implementing unit testing, perform system testing with QA and adapting the test-driven approach in various projects:  **Enbridge Pipeline: SCADA server software platform upgrade project, July 2008 – July 2010 (2 years)**   1. Write unit tests to maintain and improve the quality of legacy code base during the upgrade 2. Working with QA to perform integration testing and UAT   **Alberta Pension Service Corporation: Employer Compliance System project, August 2010 – April 2013 (2 years and 6 months)**   1. Write unit tests to improve the existing employer portal 2. Use test driven development process to ensure the quality of new extension system 3. Working with QA team to perform integration testing and UAT   **GE Intelligent Platforms: GE software version notification service project and Russian character support project, May 2013 – December 2013 (10 months)**   1. Write unit tests to improve the quality of the legacy code base 2. Follow TDD to ensure the quality of the new software/systems   **Enbridge Pipeline: Leak detection trainer upgrade project, January 2014 – July 2015 (1 year and 6 months)**   1. Follow TDD in each sprint of the development process to ensure high quality of the feature being implemented 2. Working with SME for integration testing and UAT   **iATS Payments: Universal Postback project and Next Generation project, August 2015 – January 2016 (6 months)**   1. Coach the development to adapt the TDD framework for new development project 2. Write unit tests to harness the legacy code and improve the overall quality of the system |
| M4 | Experience writing and maintaining technical documentation. | 3 years | Senior resource has 10 years of experience maintaining technical documentations in the following projects: |
| M5 | Experience and technical knowledge of the Microsoft .NET framework 3.5 or higher. | 3 years | Senior resource has # years of experience working with .NET framework from the following projects: |
| M6 | Experience and technical knowledge of Microsoft SQL Server 2008 or higher. | 3 years |  |
| M7 | Experience and technical knowledge of Microsoft Internet Information Services (IIS) 7.0 or higher | 3 years |  |
| M8 | Experience and technical knowledge of HTTP RESTful Services. | 3 years |  |
| M9 | Experience with Microsoft Team Foundation Server or equivalency (GitHub, SourceForge, Subversion, etc.) | 3 years | Senior resource has 10 years of experiences working with various source version control system from the following projects |
| M10 | Experience developing applications using a Model View Controller (MVC) model with ASP.net | 2 years | Senior resource has # years of experiences working with MVC model |
| M11 | Experience with ASP.net WebAPI | 2 years | Senior resource has # years of experiences working with ASP.Net Web API |
| M12 | Experience with performance testing of an application. | 2 years | Senior resource has # years of experiences working the performance testing with the following projects |
| M13 | Experience with Test Automation Framework (Microsoft Coded UI) | 2 Years |  |
| M14 | Experience with Microsoft Lab Environments | 2 Years |  |

**Desirable Skills and Attributes**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **\*Minimum Experience** | **\*\*Candidate Response** |
| D1 | Experience writing application support documentation. | 3 Years |  |
| D2 | Experience in tracking and reporting of time and status on all work. | 3 Years |  |
| D3 | Experience with versioning of applications for release management. | 3 Years |  |
| D4 | Experience in an environment with continuous integration (TFS Build, MSBuild or equivalents) | 3 Years |  |
| D5 | Experience working in the post-secondary sector with a sound knowledge of its key stakeholders, delivery partners, business functions, and information requirements | 2 Years |  |
| D6 | Experience with GOA architecture standards for application development | 2 Years |  |
| D7 | Experience developing in a N-tier environment | 2 Years |  |
| D8 | Experience working within an enterprise architected environment | 2 Years |  |
| D9 | Experience and technical knowledge of JSON. | 2 years |  |
| D10 | Experience and technical knowledge of responsive design. | 2 years |  |
| D11 | The ability to learn quickly, problem solve/troubleshoot, work independently and in a team. | Evaluate in Interview |  |
| D12 | The ability to manage stress and manage conflict. | Evaluate in Interview |  |
| D13 | Excellent communication skills, both verbal and written. | Evaluate in Interview |  |

\* A higher score is awarded in evaluation for demonstrated experience exceeding the minimum for ‘Mandatory Requirements’ and ‘Desirable Skill and Attributes’

\*\* Vendors may append to this matrix project descriptions, lessons learned and ‘hi-lites’ which demonstrate claimed experience

Answers provided by candidates to questions posed during the interview phase of the selection process are used to validate claims made in the written response and therefore may contribute to the final scoring.  The GoA may conduct reference checks of proposed candidates.  The GoA may contact references, including references other than those submitted by the proposed candidate.  The proposed candidate may be rejected if, in the opinion of the GoA, the proposed resource receives unsatisfactory references.

**Resource References**

Three references, for whom similar work has been performed should be provided with response or must be provided within one (1) Business Day, upon written request. The most recent reference should be listed first.

Reference checks may or may not be completed to assist with scoring of the proposed resource.

The Department reserves the right to contact the stated and other references without providing prior notification to the Pre-Qualified Contractor.

**Reference #1:**

|  |  |
| --- | --- |
| Client Organization: |  |
| Contact Person: |  |
| Contact Role |  |
| Street Address: |  |
| Telephone #: |  |
| Email Address: |  |

**Reference #2:**

|  |  |
| --- | --- |
| Client Organization: |  |
| Contact Person: |  |
| Street Address: |  |
| Contact Role |  |
| Telephone #: |  |
| Email Address: |  |

**Reference #3:**

|  |  |
| --- | --- |
| Client Organization: |  |
| Contact Person: |  |
| Contact Role |  |
| Street Address: |  |
| Telephone #: |  |
| Email Address: |  |