**REQ NUMBER 46566 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 46566 Application Developer**

**Candidate Name :**

**Mandatory Requirements**

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| --- | --- | --- | --- |
|  |  | **\*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 business, management or a related discipline and four years related experience;   OR   * two-year diploma in business, management or a related discipline from a recognized post-secondary institution and six years related experience;   OR   * a one-year certificate in business, management or 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 (8 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 (8 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 (8 months)**   1. Write unit tests to improve the quality of the legacy code base   Follow TDD to ensure the quality of **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 new software/systems |
| M4 | Experience writing and maintain technical documentation. | 3 years | Senior experience has 10 years of experience creating and maintaining technical documentation from the following projects:  **University of Alberta: Haptic-Visual Virtual environment project, May 2005 to May 2008. (3 years)**   1. Create design document 2. Create user guide for the system   **Enbridge Pipeline, July 2008 - July 2010. (2 years)**   1. Create design document for projects 2. Assist QA in creation of feature requirement and test plan 3. Provide weekly project progress report to project managers   **Alberta Pension Service Corporation, August 2010 - April 2013 (2 years and 6 months)**   1. Create design document and requirement document for projects 2. Create deployment documents for release analyst   **GE Intelligent Platforms, May 2013 - December 2013 (8 months)**   1. Provide design documents for projects 2. Update user guide to add new features created in projects   **Enbridge Pipeline, January 2014 to July 2015 (1 year and 6 months)**   1. Create design document for the project 2. Create requirement specification document for project 3. Assist QA in creation of test plan document 4. Create training menu for training pipeline operators using the new system 5. Create trouble shooting documentation for transitioning to support team   **iATS payments, August 2015 to January 2016 (6 months)**   1. Create design document for projects 2. Working with business team to create detailed requirement document 3. Update user guide to include newly added features |
| M5 | Experience and technical knowledge of Windows OS 7 or higher. | 3 years | Senior resource has more than 5 years of experience developing applications in Windows OS 7 from the following:   1. Alberta Pension Service Corporation, August 2010 - April 2013 (2 years and 6 months), Develop J2EE server application under Windows 7. 2. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop web/desktop application under Windows 7 3. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop application under Windows 7 4. iATS Payments, August 2015 - January 2016 (6 months), Develop web applications under Windows 7 |
| M6 | Experience and technical knowledge of the Microsoft .NET framework 3.5 or higher. | 3 years | Senior resource has more than 4 years of experience developing applications using .NET framework 3.5 or higher through the following:   1. Enbridge Pipeline, July 2008 - July 2010, (2 years), Rewrite a legacy web application using .NET 3.5 2. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop web/desktop application using .NET 3.5 3. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop application using .NET 4.0 4. iATS Payments, August 2015 - January 2016 (6 months), Develop web applications using .NET 4.0 |
| M7 | Experience and technical knowledge of Microsoft C# 3.5 or higher. | 3 years | Senior resource has more than 4 years of experience developing applications using .NET framework 3.5 or higher through the following:   1. Enbridge Pipeline, July 2008 - July 2010, (2 years), Rewrite a legacy web application using C# .NET 3.5 2. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop web/desktop application using C# .NET 3.5 3. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop application using C# .NET 4.0 4. iATS Payments, August 2015 - January 2016 (6 months), Develop web applications using C# .NET 4.0 |
| M8 | Experience and technical knowledge of Microsoft SQL Server 2008 or higher. | 3 years | Senior resource has more than 4 years of experience developing application using SQL server 2008 from the following:   1. Enbridge Pipeline, July 2008 - July 2010, (2 years), Rewrite a legacy web application using SQL server 2008 2. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop web/desktop application using C# SQL server 2008 3. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop application using SQL server 2008 4. iATS Payments, August 2015 - January 2016 (6 months), Develop web applications using SQL server 2008 |
| M9 | Experience and technical knowledge of Microsoft Internet Information Services (IIS) 7.0 or higher | 3 years | Senior resource has more than 4 years of experience developing application using IIS 7 or higher from the following:   1. Enbridge Pipeline, July 2008 - July 2010, (2 years), Rewrite a legacy web application using IIS 7 2. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop web/desktop application using IIS 7 3. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop application using IIS 7 4. iATS Payments, August 2015 - January 2016 (6 months), Develop web applications using IIS 7.5 |
| M10 | Experience and technical knowledge of HTTP RESTful Services. | 3 years | Senior resource has more than 4 years of experience developing application using SQL server 2008 from the following:   1. Enbridge Pipeline, July 2008 - July 2010, (2 years), Implement RESTful APIs on the application server to service the front end 2. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop RESTful APIs for reporting software catalog data. 3. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop RESTful APIs for reporting simulation status and for manipulate simulation models. 4. iATS Payments, August 2015 - January 2016 (6 months), Architect and develop the new payment APIs using RESTful web services to replace the existing SOAP web services. |
| M11 | Experience with Microsoft Team Foundation Server or equivalency (GitHub, Source Forge, Subversion, etc.) | 3 years | Senior resource has 10 years of experience working with various software version control system during development from the following:   1. Use CVS as version control system in AMMI lab from May 2005 to May 2008 (3 years) 2. Use SVN as version control system in Enbridge Pipeline from July 2008 to July 2010 (2 years) 3. Use CVS/SVN as version control system in Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 4. Use TFS as version control system in GE Intelligent Platforms from May 2013 to December 2013 (8 months) 5. Use Git as version control system in Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) 6. Use TFS in iATS Payments (6 months) |
| M12 | Experience developing applications using a Model View Controller (MVC) model with ASP.net | 2 years | Senior resource has more than 2 years of experience developing using ASP.net MVC from the following:   1. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop web/desktop application using ASP.NET MVC 3 2. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop application using ASP.NET MVC 4 3. iATS Payments, August 2015 - January 2016 (6 months), Develop web applications using ASP.NET MVC 4 |
| M13 | Experience with ASP.net WebAPI | 2 years | Senior resource has more than 2 years of experience developing using ASP.net MVC from the following:   1. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Develop web/desktop application using ASP.NET Web API for handing Ajax calls 2. Enbridge Pipeline, January 2014 - July 2015 (1 year and 6 months), Develop application using ASP.NET Web API 3. iATS Payments, August 2015 - January 2016 (6 months), Develop web applications using ASP.NET Web API |
| M14 | Experience with Microsoft office. | Yes/No | Yes, senior resource has a lot of experience with create documentation and presentation using Microsoft office. |
| M15 | Experience in determining hardware and software requirements. | 3 years | Senior resource has more than 4 years of experience providing recommendation for hardware and software from the following:   1. Enbridge Pipeline, July 2008 - July 2010 (2 years), Provide recommendation of hardware/software for hosting the new ASP.NET application 2. GE Intelligent Platforms, May 2013 - December 2013 (8 months), Provide recommendation of hardware/software for hosting the software catalog 3. Enbridge Pipeline, January 2014 - April 2015 (1 year and 6 months), Provide recommendation of hardware/software for setting up the whole training server infrastructure. |

**Desirable Skills and Attributes**

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|  |  | **\*Minimum Experience** | **\*\*Candidate Response** |
| D1 | Experience in tracking and reporting of time and status on all work. | 2 years | Senior resource has 10 years of experience of reporting work progress to supervisor/manager from the following:   1. Report work progress to supervisor in AMMI lab from May 2005 to May 2008 (3 years) 2. Report work progress to project managers in Enbridge Pipeline from July 2008 to July 2010 (2 years) 3. Report work progress to IT manager in Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 4. Report work progress to development team lead and manager in GE Intelligent Platforms from May 2013 to December 2013 (8 months) 5. Report work progress to project manager in Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) 6. Report work progress to development team lead and various stake holders in iATS Payments (6 months) |
| D2 | Experience with versioning of applications for release management. | 2 years | Senior resource has 7 years of experience of version software application from the following:   1. As senior developer in Enbridge Pipeline from July 2008 to July 2010 (2 years) 2. As senior developer in Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 3. As senior developer in GE Intelligent Platforms from May 2013 to December 2013 (8 months) 4. As senior developer in Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) 5. As senior developer in iATS Payments (6 months) |
| D3 | Experience in an environment with continuous integration (TFS Build, MSBuild or equivalents) | 2 years | Senior resource has 7 years of experience of version software application from the following:   1. Use Hudson build server in Enbridge Pipeline from July 2008 to July 2010 (2 years) 2. Use Bamboo build server in Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 3. Use TFS Build in GE Intelligent Platforms from May 2013 to December 2013 (8 months) 4. Use Hudson build server in Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) 5. Use TFS Build in iATS Payments (6 months) |
| D4 | Experience with post-secondary education or education systems | 1 year | Senior resource has worked in AMMI lab, University of Alberta for 3 years from May 2005 to May 2008 |
| D5 | Experience with GOA architecture standards for application development | 1 year | Senior resource has no previous experience with TOGAF |
| D6 | Experience developing in a N-tier environment | 1 year | Senior resource has 7 years of experience developing in N-tier environment from the following:   1. As senior developer in Enbridge Pipeline from July 2008 to July 2010 (2 years) 2. As senior developer in Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 3. As senior developer in GE Intelligent Platforms from May 2013 to December 2013 (8 months) 4. As senior developer in Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) 5. As senior developer in iATS Payments (6 months) |
| D7 | Experience working within an enterprise architected environment | 1 year | Senior resource has 4 years of experience working within an enterprise architected environment from the following:   1. As senior developer in Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 2. As senior developer in Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) |
| D8 | Experience and technical knowledge of JSON. | 1 year | Senior resource has 7 years of experience working with JSON format   1. Enbridge Pipeline from July 2008 to July 2010 (2 years) 2. Alberta Pension Service Corporation from August 2010 to April 2013 (2 years and 6 months) 3. GE Intelligent Platforms from May 2013 to December 2013 (8 months) 4. Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months) 5. iATS Payments (6 months) |
| D9 | Experience and technical knowledge of responsive design. | 1 year | Senior resource has 2 years of experience with responsive design from the following:   1. Enbridge Pipelines from January 2014 to July 2015 ( 1 year and 6 months), Use responsive CSS to design the web application. 2. iATS Payments (6 months), Use responsive CSS to architect the mobile friendly payment form. |
| D10 | The ability to learn quickly, problem solve/troubleshoot, work independently and in a team. | Evaluate in Interview |  |
| D11 | The ability to manage stress and manage conflict. | Evaluate in Interview |  |
| D12 | 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: | Enbridge Pipeline Inc. |
| Contact Person: | Van Luu |
| Contact Role | Senior Project Manager |
| Street Address: | 10130 103 ST Edmonton AB |
| Telephone #: | 7807226342 |
| Email Address: | Van.Luu@enbridge.com |

**Reference #2:**

|  |  |
| --- | --- |
| Client Organization: | Coghlan Systems Ltd. |
| Contact Person: | Brian Coghlan |
| Street Address: | #307 10735-81 Avenue, Edmonton, AB |
| Contact Role | President/Owner |
| Telephone #: | 7806193653 |
| Email Address: | coghlan@telusplanet.net |

**Reference #3:**

|  |  |
| --- | --- |
| Client Organization: | Alberta Pension Service Corporation |
| Contact Person: | Mark Zhang |
| Contact Role | Senior System Analyst |
| Street Address: | 5103 Windermere Blvd SW, Edmonton, AB |
| Telephone #: | 7807076275 |
| Email Address: | ark.zhang@apsc.ca |