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3678BR

## Senior Application Developer

### Job Posting

Halifax Regional Municipality is inviting applications for the permanent position of **Senior Application Developer** in Finance, Asset Management & ICT. We encourage applications from qualified African Nova Scotians, racially visible persons, women in non-traditional positions, persons with disabilities, Aboriginal persons and persons of the LGBTQ+ community. HRM encourages applicants to self-identify.

Under the direction of the Lead Architect, the Senior Developer will provide expertise in application design patterns, application development, systems integration, testing, implementation, maintenance, enhancement, support and technical documentation. The Senior Application Developer will focus on Developing GIS applications and web services, Supporting existing GIS applications and ArcGIS Online users, Integrate GIS with other HRM enterprise applications/systems, Develop scripts to automate GIS workflows, Work closely with GIS Systems Analyst to administer GIS infrastructure and plan software upgrades follows established application development methodologies, project management methodologies and ITIL practices to design, develop, implement and maintain new applications, existing applications and integrations/interfaces between custom built and purchased applications.

### DUTIES AND RESPONSIBILITIES:

- Provides expertise, and adheres to software design patterns, application lifecycle management and software development lifecycle.
- Works with business analysts and other key stakeholders to review/recommend options for systems solutions based on business and technical requirements.



- Designs, develops, implements and maintains custom applications, interfaces and integrations using a variety of database platforms, programming languages, tools and technologies targeted towards multiple platforms, formats and clients.
- Implements third party application software, interfaces and integrations.
- Customizes and integrates third party and common off-the-shelf (COTS) applications to ensure streamlined integration with the HRM system landscape.
- Reviews and provides guidance to others regarding software design and development.
- Participates in and provides guidance to the team in the maintenance and enhancement of HRM's Solutions.
- Troubleshoots and resolves technical problems encountered by systems users.
- Researches, evaluates, and recommends various industry best practices for software development, current technologies and their suitability in the HRM environment.
- Prepares technical documentation such as entity relationship diagrams, application flow diagrams, use cases, user guides, test plans, and maintenance procedures.
- Recommends, maintains and enhances technical or operational policies, procedures, standards related to system application programming.
- Assists with technical documentation and training material regarding process flows and proper use of applications and systems.
- Participates in the development of non-functional requirements and integration architecture for RFPs and participates in assessing RFP responses as required.
- Other duties, as assigned.

## QUALIFICATIONS

### Education and Experience:

- Post-secondary degree in Computer Science Information Systems, Data/Information Management, or an equivalent combination of education and experience.
- A minimum five (5) years hands-on experience in application software development and operational support.



- ITIL Foundations Certification considered an asset.
- Developer related certification considered an asset.

## Technical / Job Specific Knowledge and Abilities:

- Expert knowledge with current, industry best practice, n-tier application architecture and design patterns.
- Expert knowledge of the software development lifecycle.
- Demonstrated ability and expert skills with a variety of current programming and scripting languages, E.g. -Python, JavaScript, -C#/.NET, SQL (Oracle or SQL Server)Drupal, R, etc)
- Experience with ArcGIS Desktop and ArcGIS Pro, ArcGIS Server, ArcGIS Online and Enterprise, ArcGIS GeoEvent Server / Real-time data, ArcGIS JavaScript API, ArcGIS REST API, ArcGIS Python API and Arcpy, Web App Builder (Developer Edition)
- Demonstrated experience in developing applications for platforms (ex. Windows/.NET, Linux/Unix, Web platforms for browsers, native Mobile applications, Web Services, GIS, Windows Services, etc.)
- Demonstrated knowledge of relational databases and standards (ex. SQL, NoSQL, xDBC and related ISO standards)
- Working knowledge of analytic data structure standards and architecture.
- Familiarity with project management methodologies (ex. Waterfall, Agile, Extreme, RAD, etc.).
- Ability to create system design specifications, application architecture specifications, hardware requirement specifications from captured business requirements, functional and non-functional requirements and security requirements.
- Excellent listening skills, as well as, the ability to communicate effectively both verbally and in written form with a wide variety of audiences.
- Working knowledge of the functioning of public sector (ideally, municipal government) organizations.
- Familiarity with various operating systems including Windows, Unix, Solaris, and Linux.
- Very strong logic, analysis and problem-solving skills



**Security Clearance Requirements:** Applicants may be required to complete an employment security screening check.

**Please note –** Testing may be conducted as a component of the selection process to assess technical and job specific knowledge. Candidates, who are selected for testing, may be tested in a group setting, scheduled at the employer's discretion.

**COMPETENCIES:** Analytical Thinking, Communications, Conflict Management, Customer Service, Decision Making, Developing Others, Managing Change, Networking and Relationship Building, Organizational Awareness, Organization and Planning, Continuous Learning, Risk Management, Teamwork and Cooperation, Values and Ethics, Valuing Diversity, Visioning, Strategic Thinking, and Innovation.

**WORK STATUS:** Full-time, Permanent

**HOURS OF WORK:** 8:30 am to 4:30 pm, Monday to Friday. Some overtime may be required.

**SALARY:** \$45.17 per hour as per NSUPE Local 13 Collective Agreement (employees may be compensated 90% of this rate for the probationary period).

**WORK LOCATION:** 3rd Floor, 5251 Duke Street, Halifax, NS.

**CLOSING DATE:** Applications will be received up to midnight on June 20th, 2019

*This is a bargaining unit position. External applicants will only be considered if there are no qualified bargaining unit candidates.*

**Please note:** We thank all applicants for their interest in this position. Only those applicants selected for interview/testing will be contacted.

During the recruitment process, applicants have the right to request an accommodation. Applicants invited to participate in an assessment process (such as an interview or testing) and who require accommodation, should



discuss their needs with the Recruiter when invited to the assessment process.

Qualified HRM retirees may also be considered for competitions. In these circumstances, a form of employment may be offered, including term and/or contract employment.

(position #78600331)

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