



JOB DESCRIPTION

Job title: Senior Application Developer

Department: Information & Technology Services

Reports to: Director, Application Development

☒ **Full-time**

☐ **Part-time**

PURPOSE: Give a brief description of why the job exists and how does it adds value to ATRF.

Reporting to the Director, Application Development, the Senior Application Developer provides strategic business value through comprehensive expertise in application development, quality assurance, implementation, and ongoing maintenance of web and application solutions that support business needs, objectives, and strategy. This position plays a key role in building and developing innovative and comprehensive web and application solutions while partnering closely and proactively with the business, ITS, and external contacts.

The Senior Application Developer provides expert knowledge for both project-based initiatives and day-to-day support, ensuring continuous improvement of applications. Additionally, this position provides guidance and mentorship of other members of the ITS team.

ESSENTIAL DUTIES AND RESPONSIBILITIES: Give a brief description to state overall purpose, expectations and/or objectives of the position. Then add bullet points, listing the specific tasks and job duties of the position that are required on a daily basis. Items should begin with action words such as perform, responsible for, deliver, develop, etc.

Web and Application Development

- Perform an expert role in the development, support and enhancement of web and application solutions
- Provide senior level expertise in designing and/or acquiring application solutions
- Work proactively with the business to ensure that application solutions being developed provide business value
- Accurately document application specifications and provide recommendations on the development or acquisition of appropriate applications to meet business needs
- Provide project-based and day to day comprehensive application development and support for custom applications
- Provide day to day configuration, customization, and support for third party applications
- Provide input and execute project plans for application design, development, testing, and implementation
- Perform code review sign-offs and recommends improvement
- Ensure change requests are documented, developed, tested, and integrated
- Provide input to application development policies and procedures
- Ensure that applications are unit, regression, and integration tested
- Determine application test strategy, assist the business in developing comprehensive test cases, and organize user acceptance testing

Teamwork Support:

- Provide technical support, training and back-up for other members of the Information Services department

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- Collaborate with other technical staff in providing technology options and solutions
- Provide technical mentoring/training to other Information Technology staff as required
- Arrange for and assist 3rd party maintenance support as required

Operational Effectiveness, Security, and Risk Management:

- Assist as required with overall I.T. internal controls, operational effectiveness and testing
- Ensure compliance on application development and project management policies and procedures and ensure that governance is addressed in all systems implementation and changes
- Review and assist in recommendations with application development, project management and change management related internal control documentation
- Apply and recommend security practices in application development
- Assist in the protection of confidential member and corporate information
- Participate in analysing the application security architecture and suggest improvements to the existing structure
- Support the planning and execution of application security tests, providing recommendations for improvement
- Ensure application security adherence as outlined in security policies and procedures

Research and Development:

- Maintain up to date knowledge, skillsets, education, and certification in application development
- Keep up and be informed of technology trends in the areas of application development and I.T. in general
- Proactively investigate and introduce new technologies/processes that could provide business value to peer review and further due diligence
- Assist in the determination and the refinement of the future applications roadmap based on upcoming technology trends

EDUCATION AND WORK EXPERIENCE QUALIFICATIONS: This section is used to describe what knowledge, skills and abilities are required to perform the daily tasks and job duties bulleted above. For education requirements indicate type of degree or diploma required, certifications and/or designations.

- Bachelor's degree in computing science, information systems, engineering, or related field. Other combinations of education and extensive application development experience may be considered.
- Minimum five years of experience in full-stack application development using C#, .NET Core, HTML, CSS, modern JavaScript Frameworks (React, Vue, Angular), TypeScript, and Visual Studio Development Tools
- Certifications/Training in the following areas is preferred:
 - Microsoft Certifications
 - Professional Software Developer - IEEE
 - Service Oriented Architecture (SOA)
 - Agile/Scrum
- Experience in the development and interaction with REST API's and web services across multiple systems
- Proficiency in building Microsoft SharePoint Framework solutions along with familiarity in extensibility options in Microsoft 365 is desirable
- Experience developing features, experiences, and performance optimizations for external facing applications across both mobile and desktop environments
- Ability to test, debug, and troubleshoot applications from end to end
- Expertise in designing and interfacing with relational and non-relational databases
- Extensive working experience in agile methodologies and practices
- Practical experience with Azure DevOps and other cloud-based technologies

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- Experience developing additional web platforms such as WordPress is desirable
- Excellent written and verbal communication skills to work with all levels of the organization including formal presentation skills and the ability to translate communications from technical to non-technical based on audience understanding
- Proven ability to work independently as well as collaboratively within a team, strong problem-solving skills
- Technically savvy, detail oriented, task-focused and capable of managing multiple priorities simultaneously

INDEPENDENCE OF ACTION/AUTHORITIES: Describe the extent to which decisions and recommendations are made independently. (e.g., complexity of problem solving).

Responsibilities are supervised from time to time; the employee has the freedom of action to define priorities for the job and/or for the work unit. Some judgment is required as to the method of procedures to be used. Innovation/creativity or the development of improvement processes is an ongoing requirement of the job. Only unusual problems are referred to Director, Application Development.

LEADERSHIP, MANAGEMENT, SUPERVISORY & TEAM RESPONSIBILITY: Describe the extent of responsibilities.

Works at a technical or professional level with much of the time spent performing such functions. In addition to training, mentoring and reviewing the work of others, the incumbent is consulted as a resource in the technical or professional function.

Signature

The electronic signature below indicates that the supervisor and Human Resources have read, discussed and agreed that the information accurately reflects the work assigned.

Name

Signature

Date