

CITY OF HAMILTON

CORPORATE SERVICES DEPARTMENT

(INFORMATION TECHNOLOGY DIVISION – BUSINESS APPLICATIONS - SPATIAL SOLUTIONS & DATA SERVICES SECTION – LOCATION – 55 YORK BLVD., 6th FLOOR)

ENTERPRISE GEOSPATIAL SOLUTIONS SPECIALIST

SUMMARY OF DUTIES

Reporting to the Supervisor, Business Applications, the Enterprise Geospatial Solutions Specialist provides expertise and leadership in strategy, design, development, review, and management of geospatial solutions by facilitating the implementation and sustainment of processes, policies and procedures as well as shaping and laying foundations for the underpinning technologies. The Enterprise Geospatial Solutions Specialist is responsible for providing guidance and expertise with a focus on continuous improvement and long-term planning of the City's Enterprise Geospatial Framework. The position must understand the technology components related to Enterprise Geospatial Capabilities as well as the business drivers and needs regarding enterprise data and solutions.

The Enterprise Geospatial Solutions Specialist regularly assigns tasks to team members and provides guidance and mentoring to staff that support the delivery and management of geospatial solutions and data. Position often has access to confidential information.

Other projects assigned may include various types of work related to advancing the City's data capabilities and information systems to support data driven decision-making and a culture of continuous improvement and innovation. The position

GENERAL DUTIES

Responsible to lead and coordinate the implementation of the City of Hamilton's Enterprise Geospatial Roadmap while also establishing solution and data management goals and objectives, specific to geospatial data and technologies.

In collaboration with City stakeholders, establishes, and promotes the Enterprise Geospatial Framework to ensure the effective management of the City's geospatial data and solutions.

Review City solutions with a geospatial component for adherence to defined standards and data security policies (examples of confidential data include Human Resources, Finance, Public Health) and develops functional and technical specifications from detailed business requirements for new and existing applications.

Assists in post implementation support, upgrades and system enhancements for custom or packaged applications and works collaboratively with Senior Business Process Analysts, Senior Solution Architects and business representatives to develop overall designs for application development, maintenance, implementation and testing on projects/activities.

Leads the research on emerging products, services, protocols, and standards in support of contingency planning and development efforts and recommends technologies that will increase cost effectiveness, systems flexibility, integrate seamlessly into the enterprise environment.

Perform capacity planning and continuous improvement activities; monitor consumption patterns/trends in the City's technology infrastructure, and recommended improvements for reliability and capacity while reducing or maintaining manual administration and cost.

Understand and monitor the regulatory and security requirements for data as they relate to the municipal government sector; ensure that compliance to policies and procedures is maintained while also ensuring the availability and sharing of critical City and highly sensitive data such as Human Resources and Financial Systems and Public Health Records.

Responsible to propose and oversee projects and the project portfolio related to Geospatial Solutions.

Establish and maintain geospatial related communities of practice and work groups across areas and departments to address specific projects and issues.

Champion preventative maintenance and monitoring of the City's geospatial data and solutions, while developing the guiding principles and framework which establishes standards and continuous improvement methods.

This position will be required to be on Standby/On Call.

Work in accordance with the City of Hamilton's Corporate and IT policies, processes and procedures; contributes to the creation and sustainment of technology frameworks and architectures and tools.

Perform other duties as assigned, which are directly related to the major responsibilities of the job.

QUALIFICATIONS:

1. University degree in Computer Science, Data Management or a related discipline with minimum five (5) years experience in systems analysis, business application functional analysis, database modelling and analysis, application design, application development and application maintenance or an equivalent combination of education and experience.
2. Proven experience in architecting, designing and implementing high performance and scalable enterprise level systems and the ability to evaluate how the solution will best meet its functional and quality requirements (usability, availability, performance, etc).
3. Experience in client/server and web based application development and user support environments preferably in a municipal environment.
4. Working knowledge of best practices in Information Technology service delivery such as SDLC, PMLC, ITSM, PMBOK, DAMA DMBOK, COBIT and ITIL
5. Proven leadership and problem-solving abilities.
6. Advanced working knowledge of ORACLE, SQL Server and relational database management system software and SQL (Structured Query Language).
7. Proven experience in Data Management planning, organization and development.
8. Solid interpersonal skills, with the ability to communicate with all levels of management, staff and external partners and stakeholders with varying degrees of technical knowledge. Highly developed ability to articulate a vision to lead and inspire others.
9. Strong project and change management skills and/or substantial exposure to project-based work structures. Proficiency and experience in gathering user requirements, understanding business processes and creating solutions based upon requirements.
10. Excellent critical thinking, evaluation and analytical skills and the ability for long-term visioning and strategic thinking.
11. Demonstrated experience defining system requirements and preparing specifications and architectural designs for the integration, implementation and support of data technologies into the existing network infrastructure.
12. Demonstrated organizational skills along with excellent documentation and report writing ability.

THE INCUMBENT SHALL COMPLY WITH ALL HEALTH AND SAFETY POLICIES AND PRACTICES FOR THIS POSITION AND THE WORKPLACE.
