

The District Municipality of Muskoka is currently recruiting for a GIS Data Analyst



The District

Muskoka is a great place to live and play, and the District is a four-season municipality passionate about protecting, servicing and caring for this community. We have opportunities that will allow you to learn, grow and build your career amongst other ambitious leaders and innovators. We offer a competitive compensation package and are committed to promoting diversity, accessibility and inclusion. [Watch our video](#) to learn more.

The Opportunity

The GIS Data Analyst is responsible for designing, coding, and maintaining custom GIS and web applications, ETL scripts (extract, transform, and load), and geoprocessing tools to support the analysis and visualization of geospatial data.

What you will do:

- Design, code, test, and support GIS and web applications to meet performance, ease of use, and maintenance requirements.
- Develop and oversee the execution of automated ETL scripts (extract, transform, and load) to improve the reliability of geospatial data.
- Work closely with the GIS team to understand the requirements of the needs of the end users and develop solutions to meet these needs.
- Develop and improve automated solutions for spatial datasets to reduce the need for manual and repetitive processes.

What you will need:

- Four (4) year university degree in Geography, Computer Science, Geomatics, or related discipline OR equivalent combination of education including at least a one year GIS certificate program.
- Minimum three (3) to four (4) years of experience in GIS application development and maintenance
- Demonstrated knowledge of relational database management systems (SQL Server, Microsoft Access) and SQL.
- Strong technical skills including the ability to write, understand, and modify scripts created in a common computer programming language such as Python, JavaScript, SQL, PowerShell, and MapBasic

For a full outline of the responsibilities and requirements, please review the next page.

What we are offering

This is a **Permanent Full-time** opportunity at the District. The hourly compensation range for this role is \$38.34 - \$42.12 based on a 35-hour work week. The District is also proud to offer the following to our permanent employees:



The Next Step



If you have the necessary skills, experience and qualifications, and can support our vision and values (RISE: Respect, Innovation, Service and Equity), please review the “How to Apply” instructions on our website and then submit your application: www.muskoka.on.ca/careers

This posting closes on Thursday, February 22, 2024 @ 12:00 p.m.

Visit our [careers page](#) for other opportunities.

The District of Muskoka is an equal opportunity employer and values diversity in our workforce, encouraging applications from all qualified individuals

Our organization is committed to providing persons with disabilities with equal opportunities and standards of goods and services, and we are compliant with the Accessibility for Ontarians with Disabilities Act. If you require disability related accommodation to participate in the recruitment process, please advise the Human Resources department as soon as possible. Accommodation may be provided in all steps of the hiring process. Any questions regarding this posting should be directed to the Human Resources Department.



JOB DESCRIPTION

GIS Data Analyst

Department:	Community and Planning Services	Reports to:	Manager, Geomatics
Effective Date:	January 2024	Supersedes:	NEW
Classification:	CUPE Inside Class 8 (pre-evaluation)	Job Evaluation Date:	February 2024 (Pre-evaluation)

POSITION SUMMARY:

The GIS Data Analyst is responsible for designing, coding, and maintaining custom GIS and web applications, ETL scripts (extract, transform, and load), and geoprocessing tools to support the analysis and visualization of geospatial data.

DUTIES & RESPONSIBILITIES (not limited to):

- Design, code, test, and support GIS and web applications to meet performance, ease of use, and maintenance requirements
- Develop and oversee the execution of automated ETL scripts (extract, transform, and load) to improve the reliability of geospatial data
- Work closely with the GIS team to understand the requirements of the needs of the end users and develop solutions to meet these needs.
- Develop and improve automated solutions for spatial datasets to reduce the need for manual and repetitive processes.
- Create and maintain detailed documentation for custom solutions to assist with future maintenance, migrations, and troubleshooting
- Create geoprocessing tools to provide new functionality to the GIS team and end users.
- Provide expertise on integrating GIS with other corporate enterprise systems (asset management, financials, SharePoint).
- Assist with the installation of GIS software, upgrades, patches, and new versions
- Provide technical support of GIS applications to end users and other GIS staff members
- Assist, support and act as the backup for the GIS Project Coordinator position, when required related to the customization and maintenance of the corporate Enterprise GIS system, Muskoka GeoHub.
- Presenting to a wide variety of audiences including Area Municipalities, Committee and Council for GIS related topics. Work safely and in compliance with relevant statutes and regulations and within the safe work procedures and directives as established by the District.
- Other related duties as assigned.

MINIMUM EDUCATION, EXPERIENCE & QUALIFICATIONS:

- Four (4) year university degree in Geography, Computer Science, Geomatics, or related discipline OR equivalent combination of education including at least a one year GIS certificate program.
- Minimum three (3) to four (4) years of experience in GIS application development and maintenance
- Demonstrated knowledge of relational database management systems (SQL Server, Microsoft Access) and SQL.
- Strong technical skills including the ability to write, understand, and modify scripts created in a common computer programming language such as Python, JavaScript, SQL, PowerShell, and MapBasic
- Extensive experience with GIS software including ArcGIS Desktop, ArcGIS Pro, ArcGIS Online, and ArcGIS Enterprise, MapInfo, and CityWorks Asset Management and PLL. Familiarity with FME Workbench and FME Server is an asset
- Working experience with non-GIS enterprise systems such as Asset Management, SharePoint and other enterprise programs.
- Excellent communication skills, resulting in the ability to speak and write in a clear, effective manner and make presentations to a variety of different audiences.
- Ability to exercise a high level of independence, however, must be able to work effectively in a team and interact with others

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