

**Application deadline:** Open until filled

## **Position available: GIS Developer**

### **Overview**

The Great Lakes Commission is looking for an experienced professional to lead Geographical Information Systems (GIS) programming and application development projects in the Commission's information management and delivery service area. The Commission leads the development and advancement of policy and programs to achieve the collective interests of the ten states and provinces in the Great Lakes basin. A major focus of our work centers on synthesis of data, translating information and supporting decision-making. This position is responsible for managing GIS projects that support the Commission's overarching regional mission and mandate. The GIS Developer will have a lead role in creating mapping and data services that have a transformative impact on the way Great Lakes leaders and decisionmakers use information to set priorities and allocate resources.

### **Responsibilities**

This position will be a key member of the Commission's Information Management and Delivery team, working on GIS information spanning development, acquisition, transformation and delivery. This role supports Great Lakes Commission staff, federal, state, and local agencies and related partners on various projects requiring GIS programming, and product development, including web mapping applications and interfaces covering the Great Lakes and the St. Lawrence River region. Key responsibilities include:

- Lead design and implementation of GIS solutions that integrate across applications, systems, platforms and services;
- Analyze and translate technical requirements into IT architecture and solutions to meet clients' expectations;
- Collaborate with GIS technicians, project managers, domain experts inside and outside the organization to produce conceptual designs, technical requirements and specifications;
- Perform GIS application/database/server configuration, development, integration, code maintenance, and performance tuning;
- Develop and enforce development/programming standards for internal and external applications;
- Apply industrial best practices on all phases of the system and software development life cycle to ensure the quality and longevity of the product.

### **Skills and Experience**

- A 4-year college degree with major coursework in geography, computer science, geographic information systems, or a related field, plus three years of work experience is preferred. A masters or doctorate degree would be an acceptable substitute for work experience.
- Working knowledge of GIS application development technologies such as ArcGIS, ArcServer, GeoServer, MapServer, GeoNetwork, Leaflet, ArcObjects for .Net, ArcGIS Online, or QGIS;

- Demonstrated experience developing full-stack applications using some of the following: PostgreSQL/PostGIS, MS SQL Server, Python, C#, C++, Java, PHP, Javascript, JQuery, Bootstrap, or CSS3;
- Familiarity with Github, Linux, Windows Server, IIS, Visual Studio, ASP.Net.

### **Personal attributes**

- Critical thinker with demonstrated analytical and problem-solving skills;
- Cooperative team player with the ability to lead as well as follow;
- Excellent organizational and communications skills, both oral and written;
- High level of maturity with the ability to work cooperatively with people having diverse interests and personalities.

### **Other considerations**

Consideration will be given to candidates who have a familiarity with, and interest in, Great Lakes issues.

### **Application process**

The requirements for this application include a cover letter, resume and salary history. **Please note:** All of these items must be provided if applicant is to receive consideration.

Please address your application and submit by e-mail to the following address:

**Great Lakes Commission**  
**ATTN: GIS Developer - IMD**  
2805 S. Industrial Hwy., Suite 100  
Ann Arbor, MI 48104-6791  
E-mail: [vacancy@glc.org](mailto:vacancy@glc.org)

*No phone calls, please.*

### **About the Great Lakes Commission**

The Great Lakes Commission was established in 1955 with a mandate to “promote the orderly, integrated and comprehensive development, use and conservation of the water resources of the Great Lakes basin.” Founded in state law with U.S. federal consent, with membership consisting of the eight Great Lakes states and associate member status for the provinces of Ontario and Québec, the Commission pursues four primary functions: communication and education, information integration and reporting, facilitation and consensus building, and policy coordination and advocacy. Each Member jurisdiction is represented by a delegation consisting of three to five members who are appointees of the respective governor or premier, legislators or senior agency officials. A board of directors, consisting of the chair of each delegation, is the Commission’s executive body. In carrying out its initiatives, the Commission works in close cooperation with many partner organizations, including U.S. and Canadian federal agencies, binational institutions, tribal/First Nation governments and other regional interests. Representatives appointed by partner entities participate extensively in Commission activities through a formal Observer program. The Commission is supported by a professional staff in Ann Arbor, Mich. Learn more at [www.glc.org](http://www.glc.org).

**Note:** The Great Lakes Commission, as an equal opportunity employer, complies with applicable federal and state laws prohibiting discrimination. It is the policy of the Great Lakes Commission that no person shall be discriminated against, as an employee or applicant for employment, because of race, color, national origin,

religion, age, sex, height, weight, sexual orientation, marital status, partisan considerations or a disability or genetic information that is unrelated to the person's ability to perform the duties of a particular job or position.