

**LOUISVILLE WATER COMPANY  
JOB POSTING #10608**

**Position:** GIS Application Developer  
**Reports to:** Process Owner: GIS, Infrastructure Records & Surveying  
**Work Week:** 40 hours/week  
**Location:** 550 S. Third Street

**Date Open:** Thursday, April 7, 2011  
**Date Close:** Tuesday, April 19, 2011

**SUMMARY:**

Responsible for performing a wide variety of advanced professional duties in the design, development and implementation of Geographic Information System (GIS) and engineering related software systems and applications to enhance the efficiency and effectiveness of Louisville Water Company (LWC) operations; installing and supporting computer systems including GIS software, AutoCAD and various databases and spreadsheets; performing project leadership responsibilities for assigned projects; developing professional work knowledge and abilities related to GIS, Infrastructure Records and Surveying necessary for the design of automated systems and applications to improve business operations.

**ESSENTIAL JOB FUNCTIONS:**

Develop and implement computer programming and applications to improve productivity associated with GIS, infrastructure records, or spatial data applications in general. Perform configuration and installation of GIS and Infrastructure related computer hardware, software and peripherals in the distributed network and open systems architecture.

Design, develop, implement and maintain customized systems and applications using the ESRI suite of GIS products including ArcGIS Server, ArcGIS Desktop, and ArcSDE etc. Extend ESRI GIS software capabilities by utilizing current applicable scripting languages to automate and/or schedule workflows.

Apply structured programming knowledge, skills and techniques in various programming and scripting languages (C++, Visual C++, C#, Visual Basic, SQL, HTML, Java, .NET, Python, Adobe Flex, MS Silverlight, AutoLisp) on various operating systems (Windows; UNIX).

Develop and maintain work instructions, procedures, policies and other documentation necessary for the effective utilization and maintenance of implemented applications.

Determine needs, develop concepts, and prepare feasibility/cost studies for new projects to include in Capital Improvements Plan. Develop specifications and bids for purchase of hardware, software and systems associated with GIS and engineering related systems development.

Independently manage and implement GIS development projects from start to completion including preparation of cost estimates, technical specifications, and administrative/budgetary documentation.

Coordinate and provide instruction, orientation and/or training in utilization of newly developed GIS or engineering related applications or product enhancements.

Guide internet and intranet development associated with GIS and engineering related applications, including establishing and maintaining standards and guidelines.

Conduct process analysis and redesign of water utility work processes to leverage use of GIS technology and data. Assist with efforts to assess and improve daily work tasks/flows through accurate evaluation of existing designs and applications, and recommending solutions to problems.

Evaluate and implement critical software upgrades and/or updates including testing, scheduling and installation.

Coordinate work activities of co-op students, and part-time temporary employees as assigned.

Maintain professional competency by outside study, membership in professional organizations, and continuous self-development.

Perform all other duties as assigned.

**SUPERVISORY RESPONSIBILITIES:**

None

**WORKING CONDITIONS:**

Generally works 40 hours in an office environment. Must be able to lift 50 lbs. when handling computer equipment or other materials.

**MINIMUM QUALIFICATIONS:**

Bachelors degree in Computer Science, Engineering, GIS or related field, with a minimum of three (3) years of professional experience in computer systems programming and applications development.

Minimum of three (3) years experience developing and integrating geospatial software solutions with the ArcGIS suite of software including ArcGIS Server, ArcGIS Desktop, and ArcSDE.

**KNOWLEDGE, SKILLS AND ABILITIES:**

Demonstrated proficiencies in various computer programming, scripting and development languages (C++, Visual C++, C#, Visual Basic, SQL, HTML, Java, .NET, Python, Adobe Flex, MS Silverlight, AutoLisp) on various hardware and software platforms (All Windows environments and UNIX), to develop and maintain computer systems and applications.

Working knowledge, including development and reporting experience, with the following database technologies: Oracle, MS SQL Server, MS Access. Proficiency using PL/SQL required. Working knowledge of information technology infrastructure and related concepts including server hardware, server virtualization, common operating systems, mobile devices, and computer networking.

Demonstrated proficiencies in personal computer applications including word processing, spreadsheets and databases, and working knowledge of various computing platforms.

Ability to apply established principles and methods in design and development of computer systems and applications in a water utility setting.

Ability to initiate and complete tasks and projects that contribute to both individual and/or team goals.

Ability to self direct project work teams and personnel with minimum supervision.

Ability to effectively communicate in writing and verbally to meet needs of internal and external customers.

Excellent organizational skills, including the ability to manage tasks and priorities for multiple groups and individuals to ensure tasks are completed in a timely manner.

Well developed analytical and problem solving skills.

Goal oriented, acceptance of personal responsibility and good interpersonal skills.

**Annual Salary Range: \$53,801 - \$71,286**

Individuals interested in employment with Louisville Water Company are required to apply and submit their resume online through our website at [www.LouisvilleWater.com](http://www.LouisvilleWater.com) to be considered, however if you require an accommodation to participate in the application process, due to a disability, please contact the Human Resources department at 502-569-3600. External applicants must apply by **April 19, 2011** to be considered.

**Louisville Water Company is an Equal Opportunity/Affirmative Action Employer**