



Protecting Lake Michigan & Our Waterways.

**North Shore Water
Reclamation District**

Senior Programmer/Analyst

Design, develop and support Information Technology application portfolio including both packaged and custom systems. Candidates must demonstrate strong technical and analytical skills, along with:

- 3+ years experience in application design, development, and implementation in a Windows environment.
- 3+ years experience developing and maintaining database schema and procedural SQL with Oracle and/or SQLServer.
- 3+ years experience developing windows applications using Object Oriented Design and Programming techniques utilizing the Visual Studio/Visual Basic toolset.
- Experience supporting utility billing, finance or HR systems preferred. Knowledge of Microsoft Dynamics GP a plus.
- Knowledge of ETL techniques and procedures.
- Excellent verbal/written communication skills.
- Bachelor's degree in computer science or related discipline.
- Must possess a valid Driver's License.

Apply in person or send resume to:

North Shore Water Reclamation District
P.O. Box 750
14770 W. Wm. Koepsel Drive
Gurnee, IL 60031-0750
Fax: 847-623-6101
hmail@northshorewrd.org
Equal Opportunity Employer



SENIOR PROGRAMMER ANALYST

The North Shore Water Reclamation District (NSWRD) is a municipal body which was organized in 1914 under the North Shore Sanitary District Act of 1911. The District is dedicated to the beneficial reuse of our water resources while protecting Lake Michigan, local waterways, and our environment through sustainable and fiscally responsible wastewater reclamation practices at our state-of-the-art treatment facilities. The District Administrative Offices are located in Gurnee, Illinois with water reclamation facilities in Gurnee, Highland Park and Waukegan.

Job Purpose Statement: Perform application development and system support functions that maintain and improve the business processes of the District through the use of technology.

Reporting Structure: Director of Technology Services.

Job Functions:

1. Analyze assigned project requests to determine project scope, business objectives, and technology system and application resource requirements.
2. Prepare detailed project plans for approved projects including task definition, resource requirements, duration, and dependencies.,
3. Develop functional and detail design specification for approved projects.
4. Program, test, debug, and implement application programs.
5. Analyze existing application systems and develop recommendations for improvements of technology utilization and/or business functions.
6. Install, test and implement system and application software releases required to maintain a supportable technology and business environment.
7. Troubleshoot and correct system problems as necessary.
8. Develop and maintain Extract, Transform and Load (ETL) processes necessary to support District business functions.
9. Design, develop and implement database schema to address District data requirements.
10. Train users in new/updated application systems.
11. Educate department staff members in the use of new technology products and services.
12. Follow applicable departmental application systems design and programming standards.
13. Create and update application system and end-user documentation.
14. Provide support and maintenance for new and existing third party applications and systems.

15. Assist computer operations as needed in performing routine support tasks (backups, print jobs, etc.)
16. Assist District Users with application questions.
17. Work on special assignments as directed by supervisor.

Physical and Visual Activities:

Physical and visual activities that are commonly associated[†] with the performance of the job.

Standing, Walking, Sitting, Lifting, Carrying, Climbing, Fingering, Talking, Hearing, Acuity far, Acuity near, Accommodation.

Physical Demands:

Environmental/Atmospheric Conditions:

Typical office environment. Occasional exposure to conditions typical of a water reclamation facility including outdoor weather conditions, machinery noise, odors, and dust.

Job Qualification Requirements

Using the information from The Job Performance Requirements Checklist and the information from the top portion of this page, determine the selection criteria for this position. Include only the minimum hiring qualifications.

Knowledge: B.S. or B.A. Computer Science, Mathematics, or Sciences/Engineering is required.

Experience:

1. 3+ years experience in database and application design, development, and implementation in a Windows environment.
2. 3+ years experience developing and maintaining database schema and procedural SQL using Oracle PL/SQL and/or SQLServer.
3. 3+ years experience developing windows applications using Object Oriented Design and Programming techniques and Visual Basic/Visual Studio toolset.
4. Experience supporting utility billing/finance/HR systems preferred.
5. Knowledge of TCP/IP network communication concepts and architectures.

Machines, Tools, Equipment (Office and Industrial), Software:

1. Visual Studio 2010 or later
2. Microsoft Office 2010 or later
3. Windows Server 2008 or later
4. Microsoft GP Dynamics 2013

Other: Excellent oral and written communication skills, organization and planning skills, analytical skills, problem solving skills and techniques, flexibility to adapt to a changing environment, effective and efficient time management skills and techniques, a positive work disposition, the ability to work as a "team" player, and the capacity to complete projects on time.

If you are interested and qualified for this position, please send a resume to hmail@northshorewrd.org.

The North Shore Water Reclamation District is an Equal Opportunity Employer.