

## **Systems Analyst – Senior** Milwaukee Police Department

**PURPOSE:** This position is responsible for the system design, implementation, and monitoring of all the Milwaukee Police Department's computer systems and applications and the oversight and direct supervision of the Milwaukee Police Department's Data Services Division computer programming staff.

### **ESSENTIAL FUNCTIONS:**

- Providing functional support and expertise in the areas of production database development, design, maintenance, and monitoring for various (RMS/CAD) systems including the MPD Crystal Library, Supervisor Control and Data Acquisition (SCADA) systems, and other database applications.
- Monitoring and maintaining data integrity and security in various database applications including ORACLE.
- Monitoring and maintaining system availability and reliability of production databases including appropriate logging and backup procedures.
- Developing, documenting, and implementing database recovery / restoration procedures.
- Providing training as required to other personnel in the use of database applications and related systems.
- Performance tuning and troubleshooting tasks that involve hardware and operating system performance, database performance, and individual transaction (SQL) performance including measuring current performance, making appropriate changes, and assessing the results.
- Managing database configuration, availability, and integrity of databases including secured access.
- Assisting database users with application systems upgrades including planning, testing, and implementing vendor and MPD database changes.
- Developing and maintaining effective communication within a team environment on related projects and activities.
- Maintaining multiple versions of database software and supporting products.
- Planning and installing database software upgrades and moving databases to the version that is the district standard based on availability of software upgrade and compatibility with vendor purchased application systems.
- Maintaining knowledge of development in technology and making recommendations for infrastructure changes to improve the MPD database operating efficiency including research and testing of application and support software.
- Performing other job-related responsibilities as assigned.

### **MINIMUM REQUIREMENTS:**

1. Bachelor's degree in Information Management, Computer Science, Mathematics, Business Administration, or other closely related field from an accredited college or university.
2. Two years of professional systems analysis experience preferably involving Oracle database administration and experience with UNIX & XML.
3. Residency in the City of Milwaukee within six months of appointment and throughout employment.

*Note: Equivalent combinations of training and experience may also be considered.*

### **KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:**

- Knowledge of Oracle
- Knowledge of UNIX
- Knowledge of XML
- Knowledge of Crystal Reports
- Database development and maintenance skills
- Knowledge of technologies directly related to database security
- Knowledge of database recovery & restoration procedures
- Ability to identify, troubleshoot, and resolve hardware/software problems
- Ability to provide end user support
- Ability to remain current with the latest developments in technology
- Ability to recommend technical changes to MPD infrastructure
- Systems analysis skills
- Project management skills
- Supervisory skills
- Interpersonal skills
- Analytical skills
- Oral communication skills
- Written communication skills
- Training skills

**THE CURRENT SALARY RANGE (SG08) IS:** \$54,814- \$76,736 annually.