



Job Posting for **Data Warehouse Manager**

IBHE has been supporting higher education in Illinois for more than 50 years. We are a dedicated team of professionals, overseen by a Board appointed by the Governor, who are working for a strong, equitable higher education system, which we believe is essential for the state to thrive. We work with leaders in colleges, universities, state and federal government agencies, governors, legislators, and other entities to strategically further this mission.

In its strategic plan, [*A Thriving Illinois: Higher Education Paths to Equity, Sustainability, and Growth*](#), IBHE has identified three goals and 25 strategies to help achieve its vision of a higher education ecosystem that ensures individuals, families, and communities across the state thrive.

- **Equity** - Close equity gaps for students who have been left behind.
- **Sustainability** - Build a stronger financial future for individuals and institutions.
- **Growth** - Increase talent and innovation that drives economic growth.

The Board recognized that these goals are being developed in a particular context:

- COVID-19 has shaped and will continue to reshape the educational experience
- Racial injustice can no longer be ignored
- Changes in the nature of work are accelerating
- Innovative disrupters to traditional postsecondary education are growing
- Budget challenges are exacerbated

IBHE is seeking a **Data Warehouse Manager** to provide expertise as the Board implements its strategic plan and builds out an accountability system.

The ideal candidate will be passionate about public service and education; analytic, a good communicator, and intellectually curious; committed to continuous learning and growing; and a supportive colleague, reinforcing a strong team-focused culture.

Reporting to the Enterprise Systems Manager, this position is responsible for maintaining, optimizing, and managing various IBHE enterprise and business level databases and acting as primary administrator for multiple servers and versions of database software and support tools which host data for enterprise and business applications along with custom data warehouses

Major Duties and Responsibilities:

- Creating and maintaining a data warehouse, including overseeing the data design, the creation of database architecture, and data repositories.
- Administers SQL Databases including capacity planning, warehouse configuration, database design, migration, performance monitoring, security, patch management systems as well as backup and data recovery plans, encrypting/decrypting, replication, linked servers, and shadowing.
- Oversees implementation of databases, coordinating tests and observing initiation of the data systems to validate performance
- Consults with internal clients and other team members to design and develop database solutions
- Ensuring data security and integrity through data auditing and data quality measures. Data should be in third normal form and relational.
- Ensures proper balance between front-end system and back-end data processing capabilities.
- Creates and maintains data dictionaries for key data elements

Education and Experience:

- Bachelor's Degree in computer science from an accredited college or university; or equivalent combination of education and experience in a computer science-related field.
- Minimum of one year of experience creating and using data warehouse platforms.
- Minimum of one year of experience in the MS SQL server and newer platforms.
- Minimum of one year experience with server monitoring tools for health and performance monitoring
- Two years of experience using one or more common query/reporting tools (SSMS, SQL development, TOAD, Cognos, SSRS, Crystal Reports, exporting to MS Excel)
- Minimum of one year of experience using TSQL in SSMS to query, insert, and update tables including complex joins and connections

Skills:

- Knowledge of IT infrastructure hardware as it relates to DB architecture such as servers, storage, networking, backups.
- SQL knowledge and ability to query data; solid understanding of data systems and concepts (data warehousing)
- Strong organizational, time management, and follow-up skills
- Working knowledge or relational and dimensional data structures
- Understanding of common technologies used by database applications such as backups and event monitoring.
- Proficient in problem solving and troubleshooting
- Strong oral and written communications and the ability to describe technical solutions to non-technical staff
- Able to handle multiple projects at one time and be results-oriented
- Highly motivated and work well independently and in a team environment
- Ability to provide excellent customer service; and

- Detail-oriented and able to accurately document projects, processes, and solutions

Work Location:

Work locations are Chicago, IL and Springfield, IL, with the possibility of some remote work. Travel within Illinois is expected, as required by the work.

Salary and Benefits:

Salary is commensurate with experience. We offer the state's competitive employee benefits package.

To Apply:

For full consideration, submit (1) letter describing your interest in the role and how you meet the qualifications, (2) resume, and (3) at least three professional references including names, professional titles, and current emails and phone numbers.

Interviews will begin immediately and will be conducted virtually. Please submit your materials by e-mail to:

humanresources@ibhe.org

We are committed to a diverse and inclusive workforce by ensuring all our staff work in an environment of openness and acceptance. We strive to foster a community where people of all backgrounds, identities, and perspectives can feel secure and welcome. We also value the well-being of each of our employees and are dedicated to creating a healthy place to work, learn and live. As an Equal Opportunity Employer, we strongly encourage veterans, individuals with disabilities, women, and minorities to apply.

IBHE is an equal opportunity employer committed to a diverse workforce. In compliance with the Americans with Disabilities Act and the Illinois Human Rights Act, state agencies must ensure that the employment process is accessible to persons with disabilities. Specifically, these laws require that the state provide reasonable accommodations upon request by individuals participating in all steps of the employment process. This includes the State of Illinois interview process.