



MAISA

MICHIGAN ASSOCIATION
OF INTERMEDIATE SCHOOL
ADMINISTRATORS

SUPPORTING REGIONAL EDUCATION SERVICE AGENCIES

Job Description

Job Title: Systems Analyst

Reports To: MiDataHub Director

Start Date of Position: November 1, 2023 (based on availability)

Location: Remote with occasional daily travel

Position Summary: MAISA is seeking a Systems Analyst who will work with the MiDataHub team to define, support, and manage the backoffice enterprise systems for the Michigan DataHub on behalf of the Michigan Association of Intermediate School Administrators (MAISA). (www.midatahub.org)

Required Experience:

- Automation and Queueing Systems
- JSON and XML
- Coding and Programming
- Multi-Team Application Development
- Cloud Tools and Technologies
- Web Server and API Development
- Monitoring Tools
- Planning and Alignment (AWS cloud hosted) with Server Environment

Preferred Experience (current infrastructure examples listed):

- Microsoft Active Directory Federation Services (ADFS)
- Reviewing and Responding to Security Scans
- Microsoft SQL Server Standard and suite of services (Server, Integration Services, Analysis Services, Reporting Services)
- Ed-Fi Data Standards
- Amazon Web Services (Lambda serverless functions)
- PostgreSQL DBMS
- Aurora PostgreSQL Cloud
- Automation and Queueing (Hangfire queuing, Amazon Simple Queue Service, Microsoft System Center Orchestration Manager)
- Languages (Microsoft C#, Microsoft T-SQL)
- API Tools (Microsoft Internet Information Services, Postman API Platform)
- Code Repository Tools (Github Open Source Community)
- Deployment Tools (Octopus deploy, Amazon Web Services Code pipeline)
- Data Visualization Tools (Microsoft Power BI and other BI tools)

Essential Functions and Responsibilities:

- Development and optimization of the interchange between MiDataHub and K12 developed information systems
- Work closely with software designers and analysts to optimize systems for K12 educational solutions
- Assist the data team in identifying and resolving production and/or application development problems related to the use of the database management system software or utilities
- Utilize and support Amazon Web Services; Support database systems with high use APIs
- Maintain and document systems processes
- Interpret and utilize statistical data to inform query tuning and optimization
- Maintain a high-access data model ensuring high availability, and creating read only replicas
- Perform data warehouse/mart design and load balancing
- Perform and maintain database partitioning
- Define, implement, and support load testing and the standardized use of code management systems

Professional competencies desired:

- Excellent verbal and written communication skills.
- Excellent organizational skills and attention to detail.
- Demonstrated success working in a team environment.
- Proven experience in database design and construction.
- Proven experience in computer languages used within the database.
- Supervisory Responsibilities: None

Wages and Benefits:

(This position may be filled by a current educator, on-loan, from a Michigan K12 educational institution, or employed directly by MAISA based on the circumstances of the selected candidate.)

- If employed by MAISA directly, an annual salary of \$75,000.00 - \$90,000.00 depending on experience, 401k contribution; health and leave benefits are included.
- Educator on Loan is an option with wages and benefits dependent on the employer.

Conditions:

- This is an at-will position and can be terminated by either party with ten days' written notice.

How to Apply:

Interested individuals should send a letter of interest and resume by **October 15, 2023** to:

John Severson, Ph.D.,
Ex. Director, MAISA
1001 Centennial Way, Suite 300
Lansing, MI 48917
Submissions can be sent electronically to: support@gomaisa.org