MAISA | MICHIGAN ASSOCIATION OF INTERMEDIATE SCHOOL ADMINISTRATORS
SUPPORTING REGIONAL EDUCATION SERVICE AGENCIES

Job Description

Job Title: MiGreatDataLake Data Infrastructure Engineer
Reports To: MiGreatDataLake Project Director
Start Date of Position: January 2027
Location: Remote with occasional daily travel and overnights across Michigan; Candidates must live in MI.
Sponsorship: Sponsorship is not available for this position. Candidates must be authorized to work in the United States without sponsorship now or in the future.

Position Summary: MAISA is seeking a Data Infrastructure Engineer to work closely with the team to design, implement, and maintain a modern enterprise data infrastructure with a focus on data ingestion and data processing for our statewide K12 Big Data ecosystem solution called MiGreatDataLake. These positions are responsible for ensuring the data infrastructure is scalable, secure, and efficient. The MiGreatDataLake team will work closely with the Project Advisory, MAISA membership, and a variety of data consumers to understand data requirements and deliver solutions that enhance data accessibility, integrity, and usability to support data-driven decision-making, improve student outcomes, and enhance operational efficiency. (Please see the MiGreatDataLake Feasibility Study for more information.)

Qualifications:

- Co-Design/architect, implement, manage, and continuously innovate a robust modern enterprise data infrastructure
- Develop and maintain data ingestion processes to populate data infrastructure from various sources across the enterprise
- Develop and maintain data processing processes to populate data infrastructure from various sources across the enterprise
- Establish a Data Governance Center of Excellence to ensure data integrity, accuracy, and security in compliance with policies, educational regulations, and state and federal laws.
- Work closely with the development team, educational staff, administrators, and other data consumers to understand data needs and translate them into technical solutions
- Participate in the development and implementation of strategic initiatives aimed at improving student outcomes and operational efficiency

Essential Functions and Responsibilities:

- Experience with AWS, Google Cloud, and/or other cloud platforms
- Proficient with data modeling, warehousing, and building ETL pipeline
- Experience with AWS Glue
- SQL and Python Programming/scripting skills
- Knowledge of data privacy/security best practices
- Experience with data visualization and analysis
- Working knowledge of BI tools and their integration with modern data architectures for data consumption
- Knowledge of best practices integrating Artificial Intelligence (AI) resources in the modern Data warehouse environment
- Able to convey complex data insights to non-technical audiences

Professional competencies desired:

- Desire to learn new technologies and skills
- Analytical and problem-solving skills
- Excellent verbal and written communication skills
- Ability to work collaboratively in a team environment
- Ability to manage multiple projects at one time
- Creative problem-solving skills
- Patience
- Empathy

Wages and Benefits:

- An annual salary of $75,000 - $90,000, 401k contribution, and medical benefits are included

Conditions:

- This is an at-will position and can be terminated by either party
- The position is dependent on renewal based on performance review and funding

How to Apply:
Interested individuals should submit a letter of interest and resume electronically to: applications@gomaisa.org by December 4, 2026.