MESSA is deeply committed to diversity and inclusion in its hiring practices. We are an affirmative action, equal opportunity employer. People of color, women, and members of other historically marginalized social identity groups are encouraged to apply.

MS 64-22-23

DATE OF POSTING:	August 24, 2023
TERMINATION DATE FOR APPLICATION:	August 31, 2023
POSITION:	**SYSTEMS SOLUTION ENGINEER**
COMPENSATION/BENEFITS:	Per SSA Contract Grade K
STAFF RELATIONSHIP:	Responsible to Mike Schweikert ITSS Infrastructure Manager
EMPLOYMENT DATE:	As soon as possible
SEND APPLICATION AND RESUME TO:	**Human Resources Department** Michigan Education Association 1350 Kendale Blvd., P.O. Box 2573 East Lansing, MI 48826-2573 (517) 337-5454 (fax) jobpostings@mea.org

BASIC PERFORMANCE EXPECTATIONS:

This job involves the configuration, design, implementation and maintenance of network and underlying data center technologies. This includes installation, configuration, administration and the integration of third party multi-user on premise and cloud applications.

Responsibilities also include configuration, design, implementation and maintenance of security technologies used to defend our data center systems and sensitive data from cyber threats. Understanding advanced cyber threats and helping to create strategies to protect our systems and data from threats is a requirement.

The position requires keeping up with new developments in the field of networking, data center and security technologies, particularly as they affect the role.

This job requires the ability to establish and maintain effective working relationships with staff, management, users, and third-party vendors.

ASSIGNED DUTIES:

Under management direction:

Responsible for planning, design, implementation, optimization, support and documentation of network communications and the client/server infrastructure. Help develop strategies and direction for network and system solutions using current and emerging technologies. Translate business requirements into system and process designs. Recommend design and architecture to ensure compliance to established standards. Evaluate and recommend new products, maintains knowledge of emerging technologies for application to the enterprise. Plan and recommend hardware, third party software/services, systems management software and infrastructure architecture.

Conduct supply/demand, trend analyses and make proactive capacity planning recommendations to mitigate risk and rationalize the optimal amount of hardware, software and network resources to meet business needs, service level agreements and IT infrastructure growth capacity. Monitor network performance, ensure capacity planning is performed and is proactive in assessing and making recommendations for improvement. Develop, maintain, recommend, document and support tools and backend utilities to provide capacity planning management.

Responsible for the planning, design, implementation, optimization, support and documentation of enterprise messaging systems along with associated replication of such systems. Assist in the integration of groupware systems to other applicants.

Responsible for storage management practices as it relates to the planning, design, implementation, optimization, support and documentation of Storage Area Network (SAN) and Network Attached Storage (NAS) systems. Develop and implement allocation designs, monitor resource use and troubleshoot storage related issues. Install and configure storage management software and hardware.

Develop contingency and disaster recovery plans for data center and network infrastructure technologies in order to maintain operations during downtime and/or major disasters. Identify and make recommendations regarding critical points of failure. Develop documentation for business continuance and disaster recovery plans. Test plans with various operational and support groups in IT. Design and maintain backup/recovery and replication strategies for all data, including databases.

Responsible for the planning, design and implementation of enterprise level infrastructure and platforms related to private, public and hybrid cloud computing.

Manage and maintain production and non-production databases as they relate to infrastructure and security systems. Responsible for standards and design of physical data storage, maintenance, access and security administration. Assist in the support and maintenance of non-infrastructure based databases. Responsible for standards and designs as it relates to physical data storage, backup and recovery and Disaster Recovery/Business Continuity replication of all databases. Participate in the complete life cycle of data center and network infrastructure security management. Assist in the development and implementation of security policies, procedures and

measures. Responsible for security technology configuration, maintenance and monitoring. Help mitigate risks identified within security assessments and reviews initiatives for security compliance.

Evaluate and recommend security products for various platforms in the data center and network infrastructure environment. Assist in the monitoring and identification of data center and network security events.

Serve as a project team leader and/or a project team member on projects involving data center technologies, network infrastructure and/or security systems. Learn and follow a prescribed systems development/project management methodology.

Work on complex problems where analysis of the situation requires in-depth evaluation of various factors. Performs troubleshooting procedures, designs and implements resolution plans.

Perform training on new systems or system enhancements as required.

Represent MESSA at assigned IT user group meetings and conferences.

Achieve and maintain pertinent levels of certification.

Perform other job-related duties as assigned.

MINIMUM REQUIREMENTS:

A bachelor degree in Computer Science or related field and either of the following: two years experience in networking or system administration or attainment of a relevant, current, advanced certification in network, data center and/or security topic OR

An associate degree in a IT related field and either of the following: four years experience in networking or system administration or two years experience in networking or system administration and attainment of a relevant, current, advanced certification in network, data center and/or security topic

A working knowledge sufficient to effectively configure and maintain network, security, cloud and data center related technologies.

Demonstrated ability to work independently.

Ability to solve problems where the solution is not recorded in any manual.
Ability to communicate tactfully, courteously, and effectively.

January 8, 2018