



## Kalamazoo Regional Educational Service Agency Job Description

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**Job Title:** Cloud Engineer  
**Reports To:** Technology Services Director  
**FLSA Status:** Exempt  
**Prepared By:** MiTech-BS  
**Approved By:** Human Resources TZ  
**Prepared Date:** 04/2016  
**Last Revised Date:** 04/2016

### **Summary:**

This individual will be responsible for executing the vision to move all KRESA virtual machines and services to cloud based solutions. This work will require a strong systems engineering background as well as a deep understanding of cloud based solutions such as Azure, VMWare vCloud Air, and AWS Cloud products.

### **Essential Duties and Responsibilities:**

- Evaluate cloud architecture offerings from various providers
- Develop cloud migration strategies for on premise systems
- Ensure and monitor health of cloud based solutions
- Evaluate and implement cloud based backup, replications or and geo-redundancy options to ensure data integrity and disaster recovery
- Regularly evaluate and monitor system security
- Establish hybrid or private cloud solutions as necessary.
- Promote the use and adoption of cloud based systems within partner entities
- Troubleshoot performance issues between cloud based and local server environments
- Support the Systems Engineer as needed with maintenance of physical server environment
- Regular and consistent attendance
- Other duties as assigned

*Must have knowledge of and comply with the policies and procedures contained in the Kalamazoo RESA handbook.*

### **Skill Set Requirements:**

- Server hardware and Storage Area Network setup and configuration
- Virtualization with VMware vSphere
- Extensive Microsoft Server 2008, and 2012 management skills
- Windows server technologies including Microsoft SQL, IIS, and WDS; MSCE/MCITP a plus
- Experienced knowledge of Microsoft Exchange 2010 and later
- Ability to configure backup/replication with Veeam
- Enterprise anti-virus software and management
- Experience with SCCM, SCOM, and WSUS
- Experienced in server storage technology including iSCSI, Fiber Channel, and NFS
- Proficiency with PowerShell

- Ability to analyze, troubleshoot, and diagnose performance issues within server environment
- Ability to properly size server hardware for VMware environments

**Education and/or Experience:**

- Bachelor's degree in related field
- Cloud Infrastructure platforms (i.e. VMWare vCloud, AWS, Azure)
- Experience in Agile/SCRUM
- Five years' experience in systems engineering, focusing on Windows systems and virtualization
- Extensive Microsoft Server management skills in recent versions
- Windows server technologies including Active Directory, Exchange, Microsoft SQL, IIS, and WDS
- Strong understanding of TCP/IP networking
- Enterprise anti-virus software and management
- Build and maintain PowerShell scripts

**Certificates, License, Registration:**

- MSCE/MCITP:EA
- Cloud related certifications such as MCSE Private Cloud, VCP, AWS EC2, MCSA Office 365

**Other Skill & Abilities:**

- Have the ability and passion necessary to maintain technical excellence with emerging technologies, including competitive technologies
- A commitment to customer and organization satisfaction, including internal and external customers, strong listening and communication skills
- A strong commitment to leading and mentoring a team of Systems Administrators and engineers, providing technical mentoring and fostering growth opportunities
- Manage projects and tasks in ticketing and project management systems  
Communicate and coordinate network maintenance, operational status, and downtime to users and management.
- Ability to listen and communicate effectively
- Strong problem solving ability
- Displays willingness to support and make decisions with sound judgment in timely manner
- Ability to read, analyze and interpret data
- Ability to write reports, correspondence and procedures
- Adapts to frequent changes in the work environment
- Practices safe work habits
- Uses equipment and material properly
- Knowledge of bandwidth provisioning/packet shaping
- Experience with electronic document management/retention

**Supervisory Responsibilities:**

Members of the systems Team will report to the Cloud Engineer.

**Physical Demands:**

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The employee is frequently required to reach with arms and hands, stand, walk and sit. The employee must frequently lift and/or move up to ten pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, depth perception and ability to adjust focus.

**Work Environment:**

The noise level in the work environment is usually quiet.

The employee shall remain free of any alcohol or nonprescribed controlled substance in the workplace throughout his/her employment in the District.

It is the policy of Kalamazoo Regional Educational Service Agency that no discriminating practices based on gender/sex, sexual orientation, race, religion, height, weight, color, age, national origin, disability or any other status covered by federal, state or local law be allowed during any program, activity, service or in employment. The following positions at Kalamazoo RESA have been designated to handle inquiries regarding the nondiscrimination policy. Human Resources Director, Tom Zahrt; & Laurie Montgomery. Contact information: 269-250-9200, 1819 E. Milham Avenue, Portage, MI 49002.