

Kathryn Rouse

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Sr. Cloud Infrastructure Engineer

Enthusiastic, results oriented IT professional with broad range of IT experience, with proven problem-solving skills and the ability to work in a fast-paced, team environment, all while providing excellent customer service to both internal and external clients.

Technical Education and Experience

Platforms: Google Cloud Platform, Azure Cloud Platform, Cisco IOS, PaloAlto Firewalls
Brocade/Extreme IOS, HP IOS, UNIX/Linux, Windows, Vmware, Veeam Backup, HP
SANs, Ruckus, Aruba and Cisco Wireless APs

Tools: Terraform, Ansible, YAML, Bash scripting, Atlassian suite (Agile sprint and kanban boards), IAM, Cloud IDS, Google Security Command Center, Stackdriver, Prisma Cloud, Bitsight risk management, VPN, SSL certificate management, DNS and external domains management

Professional Experience

Breakthrough Fuel, Green Bay, Wisconsin

October 2015 - Present

Sr. Cloud Infrastructure Engineer

- Migrate all on-premise current applications and data to cloud infrastructure, utilizing both compute engine and serverless configurations
- Architect and implement cloud platform solutions, using git, terraform and ansible to standardize deployments across environments
- Configure and maintain IAM access policies across all environments, allowing users and developers to troubleshoot applications
- Participate in Agile scrum team using both sprint cadence and kanban boards.
- Utilize Bitsight Risk Mitigation Platform to remediate cyber security risks across the company, improving the total score to the advanced category
- Configure and maintain all networking within the cloud platform including vpn connectivity to the office and other sites
- Replace existing sensitive application configurations within secure repository and configure policies for access
- Implement Prisma Cloud software for monitoring and enforcing security policies
- Manage all SSL certificates, external domains and DNS entries for multiple domains

System Administrator

- Install configure and maintain VMware environment of Windows and Linux systems
- Configure, secure and maintain FTP, SFTP, SSH, AS2 and web service file services.
- Responsible for equipment, systems, and connectivity between data center and office facilities
- Enhanced public presence by introducing web application firewalls & deploying updated UCC SSL certificates
- Daily monitoring and troubleshooting of development, pre-production and production systems utilizing metric and log monitoring systems
- Improve processes with documentation, standardization and communication
- Research, configure and deploy switching, firewalls and wireless in office and multiple data centers
- Design highly available systems to allow for non-disruptive updates and patches

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Professional Experience *Continued*

Breakthrough Fuel, Green Bay, Wisconsin

October 2015 - Present

System Administrator

- Participate in information gathering and policy updates for SOC audit
- Maintain block and file based storage systems, providing solutions to fit business needs
- Introduced vulnerability management applications to provide system patches on end user Windows and Mac systems providing faster patching with less staff intervention
- Migrate and upgraded current LDAP authentication systems
- Configured disaster recovery solution, utilizing SAN, Veeam and database replication between sites
- Support PostgreSQL database environment, utilizing streaming replication and whitelist access controls
- Administer the Atlassian development tools suite

RGL Holdings, Green Bay, Wisconsin

August 2009 - October 2015

Network Engineer

- Responsible for designing and deploying complex network solutions to meet business requirements, and improve overall performance
- Responsible for leading and completing large networking projects in a timely matter
- Research install, configure and maintain Cisco routing/switching equipment at all facilities
- Plan, coordinate, and implement network security measures to protect data, software, and hardware
- Research and evaluate new network technologies to implement in order to enhance operations
- Maintain all network equipment applying necessary patches
- Implement wireless controller software for large open floor buildings
- Survey wireless infrastructure with Air Magnet software
- Responsible for assigning, supervising and assisting other technicians in their networking projects
- Develop documentation, training tools, and knowledge base for system issues
- Virtualize new and existing servers with a SAN and disaster recovery site
- Implement IT ticketing system with Request Tracker
- Configure/upgrade all email and DNS systems
- Perform senior level help desk duties, training staff on new technologies implemented
- Build, configure and maintain end user equipment including smart phones, workstations and tablets

SparkNET Corporation, De Pere, Wisconsin

January 2008 – July 2009

Network Administrator

- Maintain the integrity of the network infrastructure
- Maintain MySQL database servers
- Maintain Linux Apache and Lighttpd web servers
- Scale web and database servers to serve millions of visitors
- Configure load balancers and switches
- Manage email and DNS systems
- Increase server up-time & availability

Education

Certification – Google Cloud Associate

September 2022

Associate Degree, Network Specialist

May 2007

Northeast Wisconsin Technical College, Green Bay, Wisconsin