

Network Engineer

The Mississippi Department of Information Technology Services (ITS), Telecom Services Division, is seeking qualified persons for the role of Network Engineer.

Successful candidates must have an information technology background with a desire to build and optimize networks and make contributions to enhance state government. Qualified candidates must have an IT-related degree and 4 years of IT-related experience. Alternatively, qualified candidates may substitute a minimum of four (4) years of IT-related experience if educational requirements are not met.

Preferred Professional Skills:

- Strong customer-service, oral and written communication, technical documentation, time-management, and project management skills
- Able to understand and analyze “big-picture” concepts
- Excellent change impact analysis skills for break-fixes, upgrades, and patches
- Able to take a concept or goal from requirements and manage it through the complete lifecycle of the product or solution
- Able to work in a dynamic, high-demand, high-visibility position while keeping a professional attitude and composure
- Able to speak and relay information intelligently to both highly technical administrators and non-technical personnel from various state agencies, customers, vendors, and other organizations
- Excellent analytical and problem solving abilities
- Able to work effectively both individually and within a small team environment to accomplish team projects and solve technical problems
- Able to multi-task effectively, handling multiple projects simultaneously
- Ability to adapt to and learn new products and processes
- Able to architect, design, implement, support, and evaluate networks and network-related tools.
- Able to evaluate and recommend new and emerging network products and technologies

Preference is given to candidates with the following technical skills/qualifications:

- 6+ years of working knowledge deploying/maintaining LAN, WAN and data center infrastructures
- Experience with Cisco Catalyst series routers and switches
- Experience with Cisco ACI and/or SDA
- Strong understanding of routing protocols including BGP
- Working knowledge of Infoblox DDI
- Experience with SolarWinds (or equivalent) network management software

- Experience setting up and maintaining QoS

Job Functions:

- Implementation of State data networking solutions including data center switching infrastructure, statewide MPLS network, Capitol Complex fiber network, Internet access, and other key network infrastructure components.
 - Work with a team of ITS network engineers, ITS project managers, State agency technical staff and/or vendors on various communications projects such as large agency WAN migrations, connectivity to critical State applications, large customer moves, migrations to new voice, data and/or video technologies, State Data Centers network solutions, and upgrades to core infrastructure components.
 - Meet with customer and vendors to gather information for needs analysis and making network design decisions that will be used in a final complex network design for a variety of network projects
 - Build complex network device configurations to support the State's goal for data center, wide area network and Capitol Complex fiber network solutions.
 - Perform network testing, in coordination with Agency technical staff and/or vendors to ensure configurations and/or network perform as designed.
 - Provide overview and feedback to customer agency on technical and configuration options.
 - Work with project managers and to ensure project tasks are understood and performed to meet delivery timelines and obligations.
 - Research emerging technologies as related to State networking infrastructure and make recommendations for deployment of those technologies.
 - Analyze agency telecom needs and make recommendations for cost-effective and efficient use of communications technologies for large, complex environments.
 - Provide technical and administrative leadership working with other functional areas within the agency.
- Day-to-day monitoring, management and troubleshooting of all networking devices that comprise the Statewide area network, Capitol Complex fiber network, and Data Center networks.
 - Management of network elements within ITS's network management tool (including routers, switches, firewalls, etc.), to ensure all network devices managed are including in active polling. Add/delete/update network elements as needed.
 - Utilize network management tool to proactively investigate/research and troubleshoot all potential network issues before the event causes a problem with a customer.
 - Work Service Desk trouble tickets initiated by customers and perform diagnostics and troubleshooting to resolve agency networking problems as they arise.
 - Work with carrier networking engineers in the resolution of problems including circuits, routers, switches, etc.
 - Work with agency technical staff and/or vendors in resolving networking problems between agency network and State network
 - Monitors statewide data network performance and makes configuration changes for optimization and efficiencies

- Perform capacity planning on the statewide data network to ensure optimal network performance at all sites
- Research emerging technologies as related to ITS's core infrastructure, make recommendations for deployment of those technologies and then implement those core changes as approved

Interested applicants should apply at: <https://www.indeed.com/viewjob?jk=38a508ee757b9f60>