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## *Alabama Supercomputer Authority*

ASA

**Position:** Systems Engineer/Analyst- Infrastructure

**Reports to:** CTO

**Location:** : Alabama Supercomputer Center- Huntsville

Please send all resumes to [personnel@asc.edu](mailto:personnel@asc.edu)



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### **General Description**

The Systems Infrastructure role focuses on designing, implementing, operating, maintaining, integrating, and securing the technology systems that underpin ASA's operations. This includes servers, storage, virtualization, cloud, internal networking, and related software, to ensure reliability, performance, and compliance. This is an on-premise (non-remote) position with data center responsibilities that requires strong problem-solving, collaboration, and communication skills.

### **Responsibilities**

- Infrastructure Management: support and maintain data center operation, including servers, SAN storage, virtual environments, networking, and related software.
- System Design & Implementation: design, install, configure, and maintain IT infrastructure such as servers, storage, backup, disaster recovery, internal network devices, and internal firewalls.
- Virtualization & Cloud: manage virtual environments such as VMWare and Proxmox, cloud-based solutions, other virtualization technologies, and off-site backup and disaster recovery assets.
- System Administration: participate in team administration and troubleshooting of configurations, deployments, updates, and patches, for mixed Linux and Windows environment for virtual machines (VMs), bare-metal servers, containers, and HPC.
- Planning & Capacity Monitoring: perform system planning, monitor system performance and capacity, and ensure high availability of mission-critical resources.
- Internal Network: work closely with network team in operating, maintaining, and designing the facility network infrastructure for the Alabama Supercomputer Center, the Montgomery business office, and other local environments.
- Vendor & Stakeholder Collaboration: work with technology leads and vendors to architect, plan, and deliver solutions on time, on budget, and to quality standards.
- Project Leadership: lead infrastructure projects, upgrades, and migrations, coordinating with cross-functional teams.
- Security & Compliance: support and maintain security policies, controls, and compliance with IT standards (e.g., ITIL, high-availability strategies, SOC2 Type 2).

### **Required Skills & Expertise**

- Bachelor's or Master's degree in Computer Science, Engineering, Information Technology, or related field; and minimum five years experience.
- Linux, Windows, System Center, Active Directory, DNS, LDAP, NTP, VMware, DNS, WAN, LAN, load balancing, two-factor authentication, scripting/programming for automation and reporting, configuration management and automation, infrastructure as code.