Sr. Cloud Infrastructure Engineer (ITS)

As a Senior Cloud Engineer in the Information Technology Services (ITS) department, you will support the Libraries' vision of building and supporting an open global platform for knowledge creation and sharing through an infrastructure-as-code approach to managing technology infrastructure. Reporting to the Manager of Infrastructure Engineering, the Cloud Infrastructure Engineer will continue the build out of our cloud infrastructure; optimize, monitor, and scale platform infrastructure; and configure and deploy new workloads in the cloud. You'll use Terraform, Ansible, and other Infrastructure as Code (IaC) tools together with a DevOps mindset to establish automated pipelines, immutable infrastructure, and repeatable deployments. You will join a team committed to continuous learning, open communication, shared responsibility, and collaborative problem solving. This role can be filled by a fully remote employee.

RESPONSIBILITIES INCLUDE:

- Designing, building, configuring, documenting, and deploying infrastructure and systems supporting library services
- Developing, managing, and testing Infrastructure as Code using Terraform, Ansible, Git, and other tools
- Supporting, monitoring, optimizing, and troubleshooting infrastructure with a focus on automated solutions
- Solving complex business and technical problems in collaboration with colleagues from the technology teams as well as functional stakeholders
- Exhibiting empathy, acknowledge shortcomings, and collaborate with others to improve the team cohesiveness and performance
- Designing and implementing automated delivery pipelines to ensure timely delivery of applications, systems, infrastructure, and related updates
- Establishing and maintaining strong working relationships within the team, among the department, and across the organization
- Participating in the rotation for on-call duties with other team members

QUALIFICATIONS:
Required:

- Bachelor's degree in a technical field required, preferably in computer science or technology management, or relevant combination of education and experience
- Minimum of 5 years of experience in a technical role, supporting IT infrastructure in a complex environment
- Minimum of 2 years working in AWS cloud environment
- Strong understanding of virtual servers, cloud-native applications, networks, firewalls, load balancers, etc.
- Excellent verbal and written communication skills
- Excellent understanding of and experience with IT security and data protection
- Experience using Terraform and Ansible
- Experience with Infrastructure as Code and DevOps practices

- Experience developing software delivery, DevOps, and agile practices/methodologies (AWS, GitHub Actions, TravisCI, Terraform, Packer, and Ansible)
- Software development skill with at least one of the following: Java, Ruby, Go, Python

Preferred:

- Strong technical skills and experience in cloud technologies
- Deep understanding of the AWS cloud
- Experience working in a higher education environment
- Experience building and maintaining at least one of the following: Solr, Zookeeper, Kafka, Blacklight, or Elasticsearch
- Experience building and deploying containers, especially in AWS Fargate and EKS
- Familiarity with Project Management methodologies, and experience in a project technical lead role

SALARY AND BENEFITS: This job is a pay Grade 10 with the following range:

$86,103	$114,147	$142,084

Actual salary will depend on qualifications and experience. MIT offers excellent benefits including a choice of health and retirement plans, a dental plan, tuition assistance, and fully subsidized MBTA passes for local bus and subway service. Flexible work arrangements, including flex-time and telecommuting, are considered for positions that meet established criteria. The MIT Libraries is a collegial and supportive working environment and fosters professional growth of staff with management training and travel funding for professional meetings

APPLICATION PROCESS: Apply online at: https://hr.mit.edu/careers applications must include cover letter and resume. Priority will be given to applications received January 22nd, 2020; position open until filled. MIT is strongly and actively committed to diversity within its community and particularly encourages applications from qualified women and minority candidates. Professionals who enthusiastically embrace the empathy, courage, self-reflection and respect of a multi-cultural, diverse and inclusive workplace, and who strive to incorporate those values in their work and interactions are encouraged to apply.