



## Cloud Infrastructure Engineer (DLS)

As a Cloud Infrastructure 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 (IaC) 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 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:

- 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 business and technical problems in collaboration with colleagues from technology teams and functional stakeholders
- Exhibiting empathy, acknowledging shortcomings, and collaborating with others to improve the team cohesiveness and performance
- 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, preferably in computer science or technology management, or relevant combination of education and experience
- Minimum of 3 years of experience in a technical role, supporting IT infrastructure in a complex environment
- Strong understanding of virtual servers, cloud-native applications, networks, firewalls, load balancers, etc.
- Experience with cloud technologies, preferably AWS cloud
- Excellent verbal and written communication skills
- Good understanding of and experience with IT security and data protection
- Development skills with Terraform and Ansible
- Experience with Infrastructure as Code and DevOps practices

- Understanding of AWS cloud platform

We expect the candidate to be stronger in some qualifications listed above than others; we are committed to helping our future colleague expand their skills, as well as learning from their areas of strength

**Preferred:**

- 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
- Familiarity with 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
- Experience working in a higher education environment

**SALARY AND BENEFITS:** The target hiring range for this position is: \$90,000- \$110,000  
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 August 20<sup>th</sup>, 2021; position open until filled.

**ABOUT THE MIT LIBRARIES:**

The MIT Libraries support teaching, learning, and research across the Institute, with millions of resources, deep expertise, and five campus locations where our community consumes and creates knowledge. Our organization is on an exciting journey of transformation, pursuing a digital-first model for research libraries and prioritizing an open scholarship agenda. We aim to exercise bold leadership in defining a model for research libraries in the future, with innovative spaces like the newly renovated Hayden Library and a focus on supporting data-intensive and computational research and learning.

We strive to do great things, powering the MIT community to solve complex problems in the service of humankind, and each member of our 146-person staff has a role to play in pursuing that vision. We're constantly adapting to the rhythms of a changing world, and we welcome candidates who can help us do that in thoughtful and strategic ways that center our mission and values.

MIT Libraries is an environment that welcomes any body, any mind — including all genders — and particularly encourages applications from underrepresented minorities, women, disabled applicants, and veterans. Professionals who enthusiastically embrace the empathy, courage, self-reflection, and respect of a multicultural, diverse, and inclusive workplace and who strive to incorporate those values in their work and interactions are encouraged to apply.