Senior Cloud Systems Analyst

The University of Oklahoma Libraries seeks to recruit a Senior Cloud Systems Analyst. Working in the University Libraries' Cloud Infrastructure & Development (CID) team, the Senior Cloud Systems Analyst reports to the CID Technical Manager. As a member of this team, you will apply a modern DevOps approach to the continuous improvement of operational practices, system reliability, and cost-effectiveness of a diverse portfolio of platforms and services supporting the library's role as the intellectual crossroads of the university.

This position is responsible for the planning and engineering of the Libraries' cloud computing infrastructure and applications. Additionally, the position supports other key infrastructure, collaborating with colleagues across disciplines and organizational boundaries to plan, build, and operate components of the OU Libraries technology strategy.

The employment package for this position may include the ability to work remotely.

Primary responsibilities may include:

1. Responsible for planning and engineering the University's cloud computing infrastructure and applications. Monitors the performance of the system.
2. Provides support for the Cloud IT infrastructure. Ensures proper operation, monitoring, alerting and notification, capacity planning, disaster recovery, and backups of the environment.
3. Designs business processes and workflow strategies for management, access, and retrieval of data. Designs and implements secure and cost-effective business solutions.
4. Develops, deploys, maintains supports, and optimizes a cloud environment for critical business applications, infrastructure servers, active directory, and utility servers.
5. Identifies technology innovation and improved security for digital, data, and cybersecurity teams.
6. Uses tools to identify troublesome areas as they develop on systems and network connections. Analyzes trends and develops plans to solve problems and prevent recurrence.
7. Defines data rules, relationships, and methods of quality control of databases or database management.
8. Documents infrastructure, platform processes, and existing operational procedures.
9. Reviews, analyzes, streamline, and documents business processes.
10. Produces technical documentation as it pertains to new processes, measurable results in software/technology consulting and cloud environments.
11. Performs various duties as needed to successfully fulfill the function of the position.

Position Responsibilities:

Platforms & Infrastructure Support

- Provide support for the Libraries' Cloud infrastructure. Ensure proper operation, monitoring, alerting and notification, capacity planning, disaster recovery, and backups of the environment.

- Develop, deploy, maintain support, and optimize a cloud environment for critical business applications, infrastructure servers and utility servers.

- Design business processes and workflow strategies for management, access, and retrieval of data. Design and implement secure and cost-effective business solutions.
- Support library staff in evaluating and adopting new technology. Identify technology innovation and improved security for digital, data, and cybersecurity teams.
- Define data rules, relationships, and methods of quality control of databases or database management.
- Document infrastructure, platform processes, and existing operational procedures. Produce technical documentation as it pertains to new processes, measurable results in software technology consulting and cloud environments.
- Manage communication between vendors, internal users, support staff, and other stakeholders to support research platforms.
- Perform various duties as needed to successfully fulfill the function of the position.

Analytics and Insights

- Administer data collection, reporting, and notification platforms in support of operational awareness of system performance and usage metrics.
- Perform data-driven analysis of systems/services/programs and assist colleagues and partners with metrics reporting and visualization of analysis of systems use and impact.

Campus Contributions & Professional Activity

- Participates in library and university committees.
- Publishes and presents work-related topics and research.
- Serves and participates in professional activities at the local, state, regional, national, and international levels as appropriate to position and experience.
- Maintains up-to-date professional knowledge and contacts in areas related to primary job assignments.

Qualifications:

Required Education and Experience:

- Bachelor's degree
  - Will accept 48 months related experience in lieu of the Bachelor's degree for a total of 84 months experience.
- 36 months as a Cloud Systems Analyst or related experience.

Skills:

- Ability to work with others in respectful, equitable, and inclusive ways.
- Excellent collaboration and communication skills with both team members and external stakeholders, including the ability to effectively communicate with end-users at varying technological skill levels.
- Experience working in an agile environment and ability to adjust schedules and design goals to accommodate deadlines and busy periods.
- Ability to develop and integrate complex information systems based on multiple software applications.
- Knowledge of standard concepts, practices, and procedures of cloud technology including Software as Service (SaaS), Platform as Service (PaaS), or infrastructure as a Service (IaaS)
- Knowledge of private, public and hybrid cloud architecture
- Knowledge of scripting
- Knowledge of integrating RESTful APIs across multiple technologies
- Knowledge of continuous integration and delivery
- Ability to recognize and pursue opportunities to improve processes and services

Preferred Qualifications:

- Familiarity with current and arising libraries, online research, and/or learning support technologies.
- Experience with infrastructure-as-code and configuration-as-code practices using Ansible, Terraform, shell scripts, and other tools.
- Proficiency in data collection and reporting.
- Experience with monitoring, logging, and notification platforms
- Experience applying DevOps principles to build and manage reliable, maintainable systems using cloud-based infrastructure.
- Programming experience with at least one high-level language (Python, PHP, etc).

Applications

All applications must include a cover letter, resume and list of three professional references. Hiring will be contingent upon submission of academic transcripts. Interested individuals may review the full position description at libraries.ou.edu/jobs. To apply for this position, go to https://jobs.ou.edu and search for job number 251080. Best consideration date for applications is June 9, 2025.

About University Libraries

University Libraries seeks to create an atmosphere in which diverse thought and experiences are valued and that promises opportunities to succeed and thrive. Named an "Education Futurist" and recipient of a Campus Technology Innovators Award, the University of Oklahoma Libraries' award-winning facilities and resources create opportunities for faculty and students to excel. We invest in our organization by recruiting individuals committed to superior user experience and by actively strengthening and expanding our skills and capabilities.

The University of Oklahoma Libraries' team consists of 16 library faculty, 51 professional staff, and 35 classified staff, as well as graduate and undergraduate assistants. Facilities include the Bizzell Memorial Library located in the heart of campus, Monnet Hall, hosting the Western History Collections, and three branch libraries: Architecture Library, Youngblood Energy Library, and Fine Arts Library. Affiliated OU libraries, not within the administrative oversight of University Libraries, include: the Donald E. Pray Law Library on the Norman campus, Robert M. Bird Health Sciences Library on the Oklahoma City campus, and the Schusterman Library on the Tulsa campus.

The University of Oklahoma Libraries is the largest academic research library in the state of Oklahoma containing more than 5.4 million volumes (including 1.8 million eBooks), 3.6 million microform materials, over 300 databases, and 170,000 serials. Outstanding special collections include the History of Science Collections, with 100,000 volumes; the Western History Collections, with over 12,000 linear feet of manuscripts, 2 million photographs, 80,000 volumes, 2,700 sound recordings, 5,000 cartographic resources, and 580 works of art; the Harry W. Bass Business History Collections, with over 23,000 volumes; the John and Mary Nichols Rare Books and Special Collections, with over 12,000 volumes; and the Chinese Literature Translation Archive, which houses nearly 10,000 volumes and thousands of documents relating to translators of modern Chinese literature in the West.

University Libraries is a member of the Association of Research Libraries, Center for Research Libraries, Coalition for Networked Information, Greater Western Libraries Alliance, Scholarly Publishing and Academic Resources, Council on Library and Information Resources, Digital Public Library of America, HathiTrust, Western Storage Trust, Open Textbook Network, Library Publishing Coalition.

About the University

[The University of Oklahoma](#) serves the educational, cultural, economic, and healthcare needs of the state, region, and nation from three campuses: Norman, Health Sciences Center in Oklahoma City, and Tulsa Schusterman Center. The university is home to over 31,000 students, more than 3,500 faculty and 8,000 staff across all three campuses and is supported by a $2 billion budget and an endowment of $1.52 billion. In 2014, OU became the first public institution ever to rank #1 nationally in the recruitment of National Merit Scholars. The 277-acre Research Campus in Norman was named the No. 1 research campus in the nation by the Association of Research Parks in 2013.

The central campus and administrative offices of the University of Oklahoma are located in Norman, a city of more than 120,000 residents. Norman is often cited in "best places to live" rankings and is a culturally rich and vibrant community with outstanding schools, amenities, and a low cost of living. See [visitnorman.com](#) for more information about Norman. The state capital, Oklahoma City, is located 20 miles to the north. With over 1.35 million residents and a unique central plains heritage, the Oklahoma City metro is home to a diverse and lively array of arts, culture, dining, sports, and entertainment. For more information about Oklahoma City, see [visitokc.com](#)

Why You Belong at the University of Oklahoma: The University of Oklahoma fosters an inclusive culture of respect and civility, belonging, and access, which are essential to our collective pursuit of excellence and our determination to change lives. The unique talents, perspectives, and experiences of our community enrich the learning, and working environment at OU, inspiring us to harness our innovation, creativity, and collaboration for the advancement of people everywhere.

Equal Employment Opportunity Statement

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations, does not discriminate based on race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, housing, services in educational programs or activities, and health care services that the University operates or provides.