

## BACKGROUND

The NIH Office of Data Science Strategy (ODSS): <https://datascience.nih.gov> (1) provides leadership for advancing NIH data science across the NIH extramural and intramural research programs; (2) leads and coordinates implementation of the [NIH Data Science Strategic Plan](#); (3) advises on the broad area encompassed by data science complementing existing investments in computational biology, bioinformatics, biostatistics, information science, medical informatics, and quantitative biology; (4) integrates existing data science efforts into a new data ecosystem and infrastructure to maximize the use of data generated by, and relevant to, NIH research, and promotes harmonization of data use throughout the NIH; (5) coordinates and collaborates with appropriate government agencies, international funders, and private organizations engaged in scientific data generation, management, and analysis; and (6) coordinates workforce development efforts to bring new data and computer science talent into the NIH and biomedical workforces.

## JOB SUMMARY

Covalent Solutions (Covalent) is seeking a mission driven, highly motivated and collaborative **Cloud Cybersecurity Engineer** to provide support to plan and develop programs that enable secure interoperability of platforms that host both controlled and open access data. Cybersecurity and privacy are primary concerns in developing such an ecosystem and, therefore, expert knowledge of cybersecurity best practices, FISMA guidance and associated policies, NIH and other government data sharing and privacy policies, and cloud computing platforms and infrastructure are needed. Products to be delivered under this contract include summaries and distillations of policy documents, technical specifications and guidance, and platform architectures prepared for technical and non-technical audiences. Products may include written summaries, annotated code samples, or presentations.

This opportunity is full-time with Covalent and is remote with occasional travel to site in Rockville, Maryland.

## DUTIES AND RESPONSIBILITIES include, but are not limited to:

- Maintain and update risk-based security requirements for NIH Researcher Auth Service (RAS) integration, based on feedback from the NIH Chief Information Security Officer (CISO) and the RAS security group. Security requirements should be mapped back to appropriate frameworks and standards.
- Meet with the RAS security working group and the Center of Information and Technology (CIT) RAS development team to provide expert guidance and information on RAS integration and relevant standards frameworks; provide written summaries of meetings in plain language.
- Review technical requirements and design documents for system integrations with RAS to ensure compliance with RAS security guidelines.
- Meet with ODSS and the NIH CISO and the NIH information security leads for NIH Institutes and Centers to provide expert guidance and information on the NIH data ecosystem design and security guidelines for interoperability; provide written summaries of meetings in plain language.

- Technical design documentation for interoperability software to be built by and hosted within NIH data platforms.
- Sample code and/or full codebases for interoperability-related software to be hosted within NIH data platforms.
- Reviews of information security requirements and plans for new and existing NIH data platforms based on interoperability needs for a given platform.

## QUALIFICATIONS

### Education

- BS in Computer Science or cybersecurity related field

### Work Experience

- Demonstrated background in cyber security
- 5 years in a cybersecurity related field with experience as a software architect
- Ability to communicate technical information related to cybersecurity to technical and non-technical audiences.
- Proficient in suite of Office tools, but most importantly Word and PowerPoint
- Experience and expertise in data governance for secured access, human subjects' data, preferably in cloud environment.

## COMPETENCIES

### Professionalism:

- Ability to apply judgment to manage conflicting priorities and resources, driving work and results that are the highest value for the organization.
- Sharp eye for detail. Keep meticulous notes and be able to manage multiple projects in different phases of work at the same time. Context-switching does not bother you.
- Ability to identify issues, analyze and participate in the resolution of issues/problems.
- Motivated by professional rather than personal concerns.
- Show persistence when faced with difficult problems or challenges.
- Ability to stay calm under stress and uncertainty, influencing the same in your teammates.
- Naturally curious about things you don't understand and actively look for opportunities to grow and learn from those around you.

### Communication:

- Actively participate in meetings and be willing to advocate for what you believe in. Provide thoughtful, constructive review of others' work, knowing that everyone is working towards the same objective.
- Superior written and verbal communication skills. You can always articulate the "why" behind your recommendations.
- Listen to others, correctly interpret messages from others and respond appropriately.
- Ask questions to clarify, and exhibit interest in having two-way communication.

- Tailor language, tone, style and format to match the audience.
- Demonstrate openness in sharing information and keeping people informed.
- Speak intelligently about a wide variety of topics but know when to say, "I don't know."

**Teamwork:**

- Ability to form trust-based relationships quickly.
- Work collaboratively with colleagues to achieve organizational goals.
- Place team agenda before personal agenda.
- Support and act in accordance with the final group decision, even when such decisions may not entirely reflect your own position.
- Share credit for team accomplishments and accept joint responsibility for team shortcomings.

**Accountability:**

- Take ownership of all responsibilities and honor commitments.
- Deliver outputs for which you have responsibility within prescribed time, cost and quality standards.
- Operate in compliance with organizational regulations and rules.
- Take personal responsibility for your own shortcomings, where applicable.

**If you are interested, please send your resume to [jobs@covalentsolutions.com](mailto:jobs@covalentsolutions.com).**