The U.S. Geological Survey – Center for Integrated Data Analytics (CIDA) anticipates having openings for entry-level software developers to develop and maintain web-based applications starting in the summer of 2015. All positions hold the potential for long-term employment and career advancement.

Presently, CIDA develops, deploys, and hosts over twenty different data management systems and web applications for regional, national, and international projects. As a member of our team of developers, you will collaborate with hydrologists, biologists, and other scientists to provide tools and solutions for environmental data management, discovery, visualization, access and scientific investigations. Working with an understanding of computer science, you will help turn scientific data into interactive maps and other applications that can be accessed by other researchers, policy makers, and the public. Our recent work has taken this further, adding real-time simulations to create web based decision support tools that assist policy makers by allowing visualization of the national impact of regulatory changes. The CIDA staff currently consists of a range of technical specialists, including software developers, system and database administrators, as well as project managers and business analysts. Our continued success in our field and future opportunities has provided the need for additional staff going forward. Our software teams have the freedom to choose the best technology for a wide range of scientific applications, applying best practices and embracing open source principles. The development staff also embraces Agile project management philosophies such as the Scrum methodology and blitz planning. CIDA embraces team-oriented software development and most team members are exposed to a wide range of projects and technologies. See http://cida.usgs.gov for additional details and information about our projects. If you are looking for diverse and interesting work, this is it!

Job responsibilities include developing data system and/or web applications in cooperation with a team of peers; contributing to planning, demonstration and retrospective meetings; attending technical training and upholding best practices for software development.

Benefits of working for CIDA include:

- Opportunity to work on projects that make a difference in the protection and management of the nation’s natural resources
- Extremely high team morale; people are supportive of each other, and willing to help where needed
- Unusual, challenging, and diverse application projects. We provide an opportunity to leverage other scientific or engineering interests you may have
- Casual work atmosphere. In most cases, developers are allowed to set a work schedule that works for them in their life, so long as their projects will not be negatively affected. Developers are expected to work 40
hours/week. Overtime is not required. Work attire is required to be reasonable in nature, but ties, etc. are not required except on special (rare) occasions

- All team members are intelligent, highly motivated, and expected to give their best effort at all times. Consider that the USGS holds the most highly educated workforce of any U.S. Government agency outside of the CIA

- We provide abundant training opportunities, and expect all staff members to stay on top of the latest technologies, practices and trends of the industry. This can range from ample time to research technology options from various sources, on-line training, in-person classes, conferences and occasional attendance at local colleges as appropriate, support for certifications, and more

- Rapid advancement potential

- Opportunity to work with in-demand technologies and methods, such as Agile development, Oracle databases, Tomcat application server, Eclipse, NetBeans, Java, IntelliJ, Ant, JUnit, Git, Jenkins, Maven, UML, XML, JSON, SOAP/REST, JavaScript, AJAX, JUnit, StAX, Spring MVC, Geoserver, OpenLayers, Backbone, AngularJS

- Opportunity for each employee to have a say in what projects or technologies they get to work on or with

- Provision of appropriate workspace, software and equipment as related to productivity needs for each developer

- Opportunity to work with cutting edge technologies; Oracle 11g database back-ends, Java and JavaScript frameworks, web-service architectures, and more

- Potential to work in the CIDA for the rest of your career

- Excellent benefit package (see compensation section)

**Typical Requirements for Various Skill Levels:**

**Entry-Level**

Minimum Requirements:

- U.S. Citizens only (No other statuses acceptable)
- Anticipated completion of a BS degree in computer science no later than May 2015
- MS candidates are encouraged to apply as well
- Strong interest in developing applications in Java and/or JavaScript

Highly Desired:

- Proficiency in Web Application Development (JSP, Servlets, etc.)
- Experience with development of Java applications
- Good understanding of SQL, database concepts, and JDBC
- MS degree in Computer Science
How to Apply:

Interested candidates should send their resume to Jessica Lucido at: jlucido@usgs.gov by November 30th, 2015.

Compensation Section

Compensation is dependent on entry status, experience level and skills. Full time positions typically include full federal benefits including health insurance, thrift savings plan (401K), IRA option, pension, sick/holiday/vacation leave, life insurance, and disability insurance. Note that there is the possibility for overtime payment in certain circumstances. See the USGS Pay and Benefits website (http://www.usgs.gov/humancapital/pb/) for more information.