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 forty different web applications and data management systems for regional, national, and international projects. As a member of a 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. Recent CIDA work has expanded to include real-time simulations for web based decision support tools that assist policy makers by allowing visualization of the national impact of regulatory changes. 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. CIDA software teams self-select the best technology for a wide range of scientific applications, apply software development lifecycle best practices and embrace open source principles. The development staff also employ Agile project management practices such as the Scrum methodology and blitz planning. CIDA encourages team-oriented software development exposing team members to a wide range of projects and technologies. See http://cida.usgs.gov for additional details and information about CIDA projects. If you are looking for diverse and interesting work, this is it!

Primary job responsibilities include developing web applications and/or data systems 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. Staff have flexibility in setting a work schedule that provides balance with their personal 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 must be reasonable in nature, but more formal business attire is not required except on special (rare) occasions
- 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

- Ample training opportunities are available, supporting the expectation that all staff members stay on top of the latest technologies, practices and trends of the industry. This can range from 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, JQuery, 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; development through Cloud Infrastructure as a Service, Oracle database back-ends, Java and JavaScript frameworks, web-service architectures, distributed and high availability systems, and more

- Potential to work in USGS/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 permitted)
- Anticipated completion of a BS degree in Computer Science (or Statistics, or Math) 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, Statistics, Math
How to Apply:

Interested candidates should send their resume to Jessica Lucido at: jlucido@usgs.gov by April 30th, 2015. Formal hiring process for federal employment takes place through www.usajobs.gov.

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, flexible spending accounts, and access to other types of insurance including disability, vision, dental, etc. Under certain circumstances there may be the possibility to work additional hours as overtime. See the USGS Pay and Benefits website (http://www.usgs.gov/humancapital/pb/) for more information.