



## **Position Announcement – WebGIS Developer**

**Location:** Salt Lake City, UT, hybrid, or remote

**Application Deadline:** Open until filled

**Position Starts:** As soon as practical

RedCastle Resources is a small, employee-friendly company providing geospatial and information technology support to the USDA Forest Service, Geospatial Technology and Applications Center (GTAC) in Salt Lake City, Utah. GTAC is a national center of excellence within the Forest Service for remote sensing and geospatial data analysis, training, and data provisioning. GTAC assists National Forests, Regional and Washington Offices, Research, International Programs, and other federal agencies by using advanced geospatial technologies for improved mapping, inventorying, and monitoring of natural resources. Our team of developers supports various GTAC, Forest Service, and interagency projects.

### **Position Description:**

WebGIS Developers are responsible for developing WebGIS mapping applications and web-based geoprocessing services for the US Forest Service and GTAC using the ESRI ArcGIS Online applications and APIs. WebGIS developers may be integral to all phases of the software development lifecycle, from project assessment through design, implementation, user acceptance testing, documentation, hosting and maintenance, and technology transfer for the customer. The successful candidate will be able to work effectively with both Software Engineers and Geospatial and Remote Sensing Specialists to provide novel and reliable web mapping solutions.

Current and recent projects include informational websites and web maps, interactive mapping tools and websites, and websites supporting active wildfire, post-fire activities, forest health, and forest inventory, resource planning, and project tracking. Tools commonly used include the ESRI AGOL ecosystem (Hubsites, Web AppBuilder, Experience Builder, Survey123, Field Maps, Dashboards, Storymaps) applications and website development tools. Our projects can include desktop applications and tools development, along with back-end data manipulation. The successful applicant will continually assess new relevant technologies and incorporate these as appropriate.

### **Required qualifications:**

- Experience building secure spatially enabled websites and web-map applications using the ESRI ArcGIS Online suite and ESRI APIs.
- Ability to effectively contribute to projects throughout the full software development lifecycle.
- Strong JavaScript/TypeScript development skills; experience using Python in a GIS environment.
- Knowledge of geospatial data and imagery formats, GIS principles, and WebGIS usage patterns.
- Experience using spatial databases to support WebGIS applications.
- Must be able to assess, learn, and apply new WebGIS and ESRI technologies in support of customer requirements.
- Related Bachelor's degree and 2+ years' developing ESRI WebGIS applications.

### **Preferred additional qualifications:**

- Experience with version control software and CI/CD (e.g. Artifactory, GitHub, TeamCity, Jenkins).
- Familiarity with ArcGIS Enterprise/Server and other commercial geospatial software packages.
- Experience with FME and FME Server for managing geospatial data.
- Experience using and configuring ArcSDE for WebGIS applications.
- Experience with VertiGIS (Geocortex) software suite.

The successful candidate will have demonstrated initiative and be able to participate successfully in a team environment. Effective verbal and written communication skills are required for this position. A desire to creatively solve complex problems and apply new and innovative technologies to resource management problems is essential. Our developers' focus is on geospatial and mapping applications that directly support resource and forest management efforts.

Salary is competitive and dependent on qualifications and experience. This is a full-time position, either remote or hybrid work environment. Full-time employees are eligible for a complete benefits package including health insurance, childcare flexible spending account, company matching 401K and profit sharing, disability and dental plans, and paid vacation and holidays. If you are interested in applying, please send a cover letter and resume to [employment@redcastleresources.com](mailto:employment@redcastleresources.com). Phone calls and emails are welcome for additional information.

[Apply Here \(ADP WorkforceNow\)](#)