



Select Spectrum LLC  
Robert Finch, President

### **Task Description: GIS Software Development for Web-Based Spectrum Transaction System**

Select Spectrum LLC is seeking an individual, or firm, with a strong background in Geographic Information Systems (GIS) and proven professional experience in software development. Select Spectrum is a small, fast growing company (9 employees and also some key partners/contractors) with a dynamic and fast-paced atmosphere that encourages robust teamwork and independent work on projects.

The required task is the development of certain GIS capabilities that will form key aspects of the overall CBRS Direct Platform in development by Select Spectrum. The selected individual/firm will be directed by and coordinate with Select Spectrum's Principal Software Engineer. The contract is expected for a 3-6 month period on a full time basis. Extensions may be offered subject to business requirements. Work will be performed on a remote basis, with a satisfactory and reliable internet connection required.

### **Job Type: Recurrent Contractor**

Work hours expected are between 35-45 hours per week during weekdays. Flex hours may be available in part, subject to further discussion.

### **Responsibility Summary:**

The GIS developer will work closely with the Principal Software Engineer in developing and implementing new GIS functionality in both the frontend and backend of an existing web platform.

- ❖ Develop new, dynamic GIS functionality to best aid customers in identifying zones of interest and their associated business value with ESRI JS APIs.
- ❖ Conduct PostGIS database checks and optimization on GIS assets and delivery
- ❖ Aid in automating summaries of active data for both internal and external use
- ❖ Maintaining and creating new GeoServer views to optimize transfer speeds.
- ❖ Integrating and building new Golang based REST API endpoints for GIS data.
- ❖ Take full responsibility of maintaining GIS documentation

### **Required Experience and Qualifications:**

- ❖ 3+ years' experience in GIS Development using ArcGIS APIs
- ❖ 3+ years' experience in Software Development
- ❖ Experience developing API middleware with Golang
- ❖ Track record of building GIS tools with CSS frameworks, HTML and JavaScript
- ❖ Demonstrated experience working with ArcGIS APIs, PostGIS and GeoServer
- ❖ Expert knowledge of GIS development (Vanilla JS, Leaflet, OSM, SQL and ArcGIS libraries)
- ❖ Familiarity with version control systems (Git + CI/CD) with public portfolio available upon request
- ❖ Strong understanding of web security and best practices
- ❖ Experience of both developing and navigating in headless Linux

## Compensation Structure

- ❖ Select Spectrum prefers to compensate based on identified and pre-established objectives and milestones.
- ❖ Initially, Select Spectrum is willing to pay based on an hourly rate to cover time spent detailing objectives and features in cooperation with Select Spectrum's Principal Software Engineer. Interested parties should propose their required hourly rate for this first phase of the work.
- ❖ Once objectives and features are defined, Select Spectrum will pay promptly based on invoice from the contractor promptly as the relevant milestones are accomplished.
- ❖ If changes to the objectives are identified during the work, the parties will negotiate reasonable additional compensation to cover the additional work.

## Equal Opportunity Employer Statement

Select Spectrum is an Equal Opportunity Employer and is committed to the principle of equal opportunity for all individual contractors and contracting firms.

## Company Description

Since 2010, Select Spectrum has provided a wide range of consulting and transaction advisory services to organizations that hold, or would like to acquire or lease, wireless spectrum licenses issued by the FCC. Since 2014, we have increasingly focused on providing transaction-related and web-based services such as spectrum license and lease marketing and managing spectrum auctions. While the FCC has the statutory duty to initially issue wireless licenses through both auction and application processes, Select Spectrum's long-term goal is to make <http://selectspectrum.com> the leading marketplaces for spectrum licenses after their initial issuance by the FCC.

- ✓ Spectrum Auctions: Select Spectrum works with spectrum rights holders and parties interested in obtaining spectrum rights by managing secondary market spectrum auctions and the Spectrum Marketplace.
- ✓ For Spectrum Rights Owners, Select Spectrum creates a variety of marketing information and contacts prospective buyers and lessees to negotiate maximum value in sale and lease transactions.
- ✓ For Wireless Operators and other companies seeking spectrum rights, Select Spectrum identifies FCC licenses available for purchase or lease and develops tactics to efficiently secure the targeted rights.
- ✓ For all organizations with a need to learn more about the spectrum market and to develop strategies related to wireless licenses, Select Spectrum provides consulting services grounded in years of wireless experience inside and outside major carriers.

Select Spectrum has managed or advised on over 300 spectrum license transactions totaling over \$300 million dollars for our clients. Building upon our success to date, we expect to continue to grow our spectrum auction, spectrum transaction and spectrum consulting business.