



Position: **GIS Data Specialist**

Company:	Asset Market
Location:	Remote working - Canada
Role:	GIS Data Specialist
Term:	Permanent full time
Business Type:	B2B Software as a Service plus professional services; Startup phase
Compensation:	Salary & equity, based on experience
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Overview of Asset Market

Asset Market is a B2B SaaS technology start-up with the mission to accelerate the delivery of smart and connected communities by facilitating the process for site acquisition between asset owners and service providers.

Systems such as the 5G networks, electric vehicle charging or smart traffic systems require a large number of devices need to be installed on public and private property. Each of these sites requires an application process, real estate agreements and other administrative and technical steps for a device to be installed. Current processes for site acquisition are expensive and time consuming, and aren't scalable for the dramatic increase in the number of devices to be installed over the next few years.

Asset Market provides an online B2B SaaS marketplace where asset owners (utilities, municipalities and private landowners who own assets such as poles, street lights, buildings and parking) can market their assets to prospective tenants (telecommunications carriers, EV charging firms and other smart service providers) who require sites for their devices.

Why Asset Market?

This is an opportunity to play a meaningful role in building a great product and business that will help deliver critical infrastructure to our communities, to help improve our society. As GIS Data Specialist, you will lead the design and delivery of the next generation of our GIS architecture and capabilities. You will be an important part of the team, helping drive our technical strategy, leading and mentoring GIS talent. You'll be part of a friendly, supportive team that thrives on collaboration and knowledge transfer. You can work remotely, enjoying flexibility in your schedule. As a start-up, there is substantial opportunity to grow with the business and to build equity while participating in various projects.

The Role

Asset Market requires a GIS Data Specialist to manage, scale and evolve the growing Geospatial environment used in the software that supports Asset Market's business.

The opportunity includes creating and managing data processes, models, data storage & delivery solutions. You will leverage your experience and expertise to provide advice, support and solutions as part of the GIS team in collaboration with the Development team throughout the GIS & software development cycle. The role also extends to Geospatial data analysis and modeling, both to produce actionable analytics and to deliver the data efficiently to our platform.

Responsibilities include:

- Collaborating with a wide range of stakeholders to plan, refine and execute projects
- Delivering robust Geospatial data procedures, standards and processes
- Designing and maintaining performant Geospatial databases
- Building and supporting ETL pipelines
- Ensuring Geospatial data quality
- Identifying, sourcing and modeling data from a variety of customers & sources
- Maximizing the value of data by developing analytics & visualizations
- R&D: solving real world problems with innovative data analytics and QGIS applications
- Mentorship and knowledge transfer within the GIS team

Qualifications include:

- Strong communication, analytical and knowledge transfer skills
- Strong experience with GIS modeling & Geospatial analysis (QGIS)
- 5+ years of experience with Geospatial SQL databases
- Experience developing and optimizing Geospatial data API
- Experience with one of the scripting languages (JavaScript/Python are preferred)
- Experience with ETL management
- Project management experience preferred

The Technology

GIS technology stack:

- Geospatial analysis and modeling: QGIS
- Database: PostgreSQL + PostGIS
- Serving GIS data: Node.js/Express and GeoServer

Asset Market technology stack includes a Vue.js/Nuxt web application, Postgres/PostGIS database and API powered by Node.js/Express and GeoServer. Geospatial analytics are performed in QGIS. Asset Market also seeks to build an industry-leading data repository across Canada and internationally, blending data from utilities, governments and the private sector.

Our software product moved from Beta testing to its first live release in early 2022. The current stage of the Roadmap is focused on evolving and expanding our analytical capabilities, project architecture and feature set.