SR. SOFTWARE ENGINEER

(Meteorology Experience)

The Meteorological Sr. Professional Software Engineer for the Spatial Solutions team will be directly responsible for engineering the data ingest, processing, and delivery pipelines that we rely upon for producing state-of-the-art current, consistent, and connected proprietary meteorological data for our clients.

You will work within a team to ensure 24x7 operational excellence of our algorithms, operationalize new meteorological algorithms and the necessary data acquisition processes, and develop new techniques to derive spatial analytics from the meteorological and hazard data sets available to our team.

A successful Meteorological Sr. Professional Software Engineer has a passion for weather, is extremely well-versed in development and infrastructure practices of the meteorological industry, and exhibits extreme ownership of the data products that they are working to deliver. They should be comfortable working side by side with Business Product Managers, Science and Analytics, User Experience, and Development teams to support both operational and experimental efforts within the organization. We look for people that are not afraid to identify what we are doing wrong so we can fix it, and what we are doing right so we can improve on it. Above all, we look for candidates that judge their success by the success of the team and the happiness of our customers.

**Key Responsibilities & Duties**

* + Assists in management of 24x7 operations of critical computing systems and inbound/outbound data streams.
	+ Maintain the continuity, integrity, and security of data assets.
	+ Coordinate with Science and Analytics team members on R&D activities and algorithm improvements.
	+ Responsible for operationalizing and maintaining proprietary algorithms and data processes.
* Job Qualifications

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**Knowledge, Skills & Abilities Required**

* + Bachelor of Science (or higher) degree in Meteorology or Computer Science (or related field) or more than 10 years of relevant experience in computer operations and systems / data administration.
	+ Strong background in meteorological data interpretation and analysis
	+ Advanced understanding of high-availability computing environments
	+ More than 10 years of experience with and an advanced understanding of meteorological data and data systems, specifically:
		- Experience working with data formatted in binary, ASCII, GRIB, NetCDF, HDF, etc.
		- Experience with common meteorological data distribution systems/tools such as IRADS, NOAAPort, LDM
		- Experience with Geospatial tools such as GDAL, ArcPy, etc.
	+ Strong working knowledge of Linux
	+ Strong scripting skills (bash, perl, python)
	+ Advanced understanding of geospatial/georeferenced datasets
	+ Preference given to candidates with working knowledge of big data tools such as Cassandra, Hadoop, Plotly, Storm, MongoDB, etc.
	+ Preference given to candidates with experience engineering and deploying solutions on Google Cloud Platform or other similar cloud environments.
	+ Must be well organized and have the ability to effectively multi-task and work independently