**JD for Analyst/Sr.Analyst Position**

**Department: Model Development**

RMS is the world's leading provider of analytics and decision science solutions for the quantification and management of catastrophic risks throughout the world. RMS models and services are used by hundreds of insurance and reinsurance companies, hedge funds, corporations, and governments to assess a wide-range of natural and man-made perils, from earthquakes and hurricanes to terrorism and disease pandemic.

**Job description**

The Spatial Modeling Group (SMG) at RMS India is responsible for the development of high quality geospatial databases of hazard (including flood, earthquake, hurricane, terrorism and other perils), building inventory and exposure. These databases are consumed by RMS’ catastrophe risk models or licensed directly by RMS clients. These databases are developed using spatial modeling, remote sensing and other advanced geospatial and mapping technologies, Customized geospatial applications are also developed by the group for efficient process automation and productivity gains.

**Objective of the Geospatial Software Developer**

Responsibilities will include developing customized GIS tools/applications using ArcGIS and Open source GIS technologies, working with colleagues in India on the development of spatial data for the modeled countries, concentrating on geospatial component of hazard development.

**Key Accountabilities & Deliverables:**

* Identify, plan, and execute continuous improvements in spatial data development using GIS technologies
* Overall responsible for GIS customization with ArcGIS/Open source GIS technologies
* Develop tools to interact with data stored in SQL server/MS Access
* Responsible for process enhancement initiative to meet the client requirements

**Skills Required:**

* ArcGIS Desktop customization and/or OpenSource GIS customization
* Strong GIS concepts
* Working knowledge of GIS software (ESRI and Open Source)
* Experience in analytical modeling (statistical and geospatial modeling)
* Hands on experience in programming with MS SQL Server, MS Access
* Good knowledge in any programming/scripting language
* Exposure to open source GIS tools like QGIS, GeoServer, PostGIS, OpenLayers, GDAL etc
* Basic knowledge/understanding in developing geospatial data and data components for natural catastrophe risk modelling industry

**Experience and Education**

* Post Graduate in Geoinformatics, Remote Sensing, Earth Sciences
* 2+ years of experience in GIS domain, preferably in catastrophe risk modeling