Montserrat Volcano Observatory

VACANCY

The Montserrat Volcano Observatory is the agency responsible for monitoring the Soufriere Hills Volcano on Montserrat. The role of the MVO is to advise the authorities on the volcanic activity and its associated hazards and risks.

SCIENTIFIC SOFTWARE ENGINEER:

The Scientific Software Engineer is responsible for the maintenance of existing software and development of new software. This requires working closely with MVO scientific and technical staff.

Duties:

1. Collaborate with local and visiting scientists and engineers to design systems to collect, store and disseminate local and remotely telemetered data
2. Develop batch and interactive programs in multiple languages such as C, Perl and PHP. Use Object oriented Perl and modules on Comprehensive Perl Archive Network (CPAN) to maintain develop programs.
3. Develop, maintain and troubleshoot internal/intranet Web site, primarily in Perl with file based configuration and data, and with PostgreSQL RDBMS.
4. Develop, maintain and troubleshoot external/internet www.mvo.ms Web site, supporting scientists and staff with content management, primarily using JOOMLA content management system, PHP and MySQL RDBMS.
5. Interact with Government of Montserrat system administrators to manage network, file systems and servers.

Skills:

1. University degree in Computer Science or equivalent qualification is preferred. Candidates without such qualifications, but with extensive relevant professional experience will also be considered.
2. Relevant experience in design and development of systems in Perl, PHP, Java or C.
3. Demonstrated experience performing systems administration on one or more Linux operating systems, such as Ubuntu and Redhat.
4. Experience of design, maintenance, troubleshooting and maintenance of RDBMS systems, preferably PostgreSQL and/or MySQL, plus ability to batch load/process data to tables, and be well versed in SQL, for ad-hoc reporting, etc.
5. Web development on LAMP (Linux, Apache, MySQL and PHP/Perl/Python) and/or PHP/Perl/Python on Microsoft Internet Information Server (IIS)
6. Ability to work closely with a small international team.

Salary will be in the range EC$90,000 to $110,000

Candidates should submit a full curriculum vitae and covering letter outlining their experience, including the names and addresses of two referees to:

The Operations Manager
Montserrat Volcano Observatory
P.O. Box 318, Flemming's,
Montserrat, West Indies
Email: cheri@mvo.ms
Tel: 1(664)491-5647

The deadline for the submission of applications is June 30, 2012. For further details, please refer to the MVO web site at www.mvo.ms

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