From: Burt Holzman <burt@fnal.gov>
Subject: Fermilab Tier 1: hiring for two positions!
Date: May 7, 2012 10:21:41 AM CDT
To: <hn-cms-jobs@cern.ch>

*** Discussion title: HEP Job Announcements

Hello,

With the departure of Paul Rossman and Paul Tader, I am hiring two positions at the Fermilab CMS Tier 1:


Feel free to contact me personally with any questions.

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Fermilab's CMS Computing Facilities Department has an opening for a Computer Services Specialist II. The Compact Muon Solenoid (CMS) experiment is currently taking data at the CERN Large Hadron Collider (LHC). Several petabytes per year of data are collected from the detector and generated by the simulation and data processing systems are cataloged and efficiently delivered to the scientists around the clock and around the globe.

The successful candidate will assist with the smooth operation of the Tier-1 facility and the LHC Physics Center. This individual will be expected to help integrate the scientific computing needs of the CMS experiment with the effective operation of batch and distributed storage systems, develop methodologies to ensure the proper operation of a managed data distribution network and global file system, and designs and implements tools to effectively monitor and troubleshoot a large-scale computing environment. The selected candidate must work well with existing team members and scientific personnel and be available to share in an off-hour pager rotation.

Qualifications and Essential Job Functions

Bachelor degree and 4 years of relevant experience, Masters preferred.
1+ years experience with grid or distributed computing.
Proficiency in Python.
Experience in shell scripting (Perl a plus).
Experience with integration, testing and troubleshooting of highly distributed systems.
Demonstrated knowledge of Unix and the Linux operating system.
Demonstrated knowledge working with large-scale Linux cluster with significant amounts of storage.
Extensive experience working with virtual environments and/or cloud computing.
Experience working with large-scale Linux cluster provisioning tools (Puppet, Chef, Spacewalk, Cobbler) a plus.
Demonstrated ability to work independently and with only general direction from a supervisor.
Ability to effectively communicate and describe work details both orally and in writing.

Respect, understand and value individual differences that embody the principles of diversity. Abide by all environmental, safety and health regulations.

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Fermilab has an opening for a System Administrator III in the Compact Muon Solenoid (CMS) Computing Facilities Department at Fermilab. The CMS experiment is currently taking data at the CERN Large Hadron Collider (LHC). Several petabytes per year of data are collected from the detector and generated by the simulation and data processing systems are cataloged and efficiently delivered to the scientists around the clock and around the globe.

The successful candidate will assist with the smooth operation of the Tier-1 facility and the LHC Physics Center, in providing an effective scientific computing infrastructure on a large scale for efficient analysis of data. The successful candidate will maintain and integrate scientific computing needs using effective operations of servers, workstations, data storage, batch systems and will configure equipment and the computing environment. The selected candidate must work well with existing team members and scientific personnel and be available to share in an off-hour pager rotation.

Qualifications and Essential Job Functions

Bachelor degree preferred, or equivalent experience.
3+ years experience in Linux systems administration.
Proficiency in Python.
Experience with grid and distributed computing.
Extensive shell scripting skills.
Demonstrated experience with integration, testing and troubleshooting of highly distributed systems.
Detailed knowledge of Unix and Linux operating systems.
Demonstrated experience working with a large scale Linux cluster with significant amounts of storage.
Experience with large scale monitoring tools (Zabbix, Nagios) a plus.
Experience working with virtual environments and/or cloud computing a plus.
Demonstrated ability to work independently and with only general directions from a supervisor.
Ability to effectively communicate and describe work details both orally and in writing.

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