Working Title: Linux Systems Administrator

Official title: SR SYSTEMS PROGRAMMER(T32BN) or SYSTEMS PROGRAMMER(T32DN)

Degree and area of specialization:
Bachelor's Degree Required

Minimum number of years and type of relevant work experience:
Required Experience
1. A minimum of 5 years work experience in administering networked Linux computer systems
2. Experience configuring and maintaining core services such as Kerberos, LDAP, DNS, NFS, DHCP, Samba, etc.
3. Experience configuring and maintaining Apache web servers
4. Experience maintaining storage solutions for handling terabyte data sets and larger
5. Experience with scripting languages (Python, Perl, shell)
6. Experience configuring and maintaining virtual machines
7. Experience with configuration management tools for Linux (cfengine, SALT, Tivoli/BigFix)
8. Experience with system monitoring and data collection tools for Linux (SNMP, Zabbix, Cacti)
9. Strong documentation skills
10. Ability to work as part of a coordinated team with other Linux, Windows, and MacOS system administrators

Preferred Experience
1. Familiarity with Microsoft Windows and macOS
2. Familiarity with Condor
3. Knowledge of best security practices, especially where they impact HIPAA and the handling of PHI

Position Summary:
The Department of Biostatistics & Medical Informatics is a dynamic basic science department within the UW-Madison School of Medicine and Public Health. The faculty and research staff collaborate with investigators throughout SMPH and across campus. The successful applicant for this position will play a key role in developing, implementing, and maintaining high-end research computing environments to support a widely varied research enterprise. The successful applicant will partner with Biomedical Computing Group (BCG) and research faculty to develop computer operations systems software, data communications, and utilities across one or more machine environments.

The School of Medicine and Public Health has a deep and profound commitment to diversity both as an end in itself but, also as a valuable means for eliminating health disparities. As such, we strongly encourage applications from candidates who foster and promote the values of diversity and inclusion.

Principal duties:
Duties will include:

35% Perform day-to-day software and hardware installation, maintenance and upgrade tasks. Serve as the liaison with software developers as needed.

10% Plan, configure, and deploy core services for the department, including network authentication, file services, backup of data, and compute cluster environments.

10% Participate in emergency on-call rotation-initial hardware malfunction

10% Plan, configure, and deploy application servers for standard and custom applications.

10% Maintain a robust environment for servers, including monitoring and managing such resources as cooling, available power, network access and physical security.
7% Consult in areas of computing expertise with faculty and staff.

5% Maintain and configure virtual platforms.

5% Train and support research faculty and staff in the use of computer hardware and software.

5% Assist researchers in designing and developing advanced programming tools to meet the needs of their research projects.

3% Assist in conducting technical seminars and training sessions on applicable computing and programming technologies for research faculty and staff, fellows and students.

**A criminal background check will be conducted prior to hiring.**

**A period of evaluation will be required**

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**Employee class:** Academic Staff

**Department(s):** SMPH/BIOSTAT & MED I

**Full time salary rate:** Minimum $55,000 ANNUAL (12 months) Depending on Qualifications

**Term:** This is a renewable appointment.

**Appointment percent:** 100%

**Anticipated begin date:** March 11, 2018

**Number of positions:** 1

**Department Contact:**
Tina Manke  
750 Highland Ave  
4167 Hslc Health Sciences Learning Cnt  
Madison, WI 53705-2221  
Phone: 608-263-4919  
Phone TTY: 608-263-2473  
Fax: N/A  
Email: tmanke@wisc.edu

**HOW TO APPLY:**
To begin the application process please click on the 'Apply Now' button. You will be asked to upload a current resume/CV and a cover letter briefly describing your qualifications relevant to the position.

**To ensure consideration, application must be received by:** February 28, 2018

If you need to request an accommodation because of a disability you can find information about how to make a request at the following website: [http://www.oed.wisc.edu/478.htm](http://www.oed.wisc.edu/478.htm)

**NOTE:** Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

UW-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply.

For more information on the University of Wisconsin-Madison Office of Human Resources please see [http://www.ohr.wisc.edu/](http://www.ohr.wisc.edu/)

For more information on the University of Wisconsin-Madison see our home page at [http://www.wisc.edu/](http://www.wisc.edu/)

For UW Madison Campus Safety Information see [http://www.students.wisc.edu/safety/](http://www.students.wisc.edu/safety/)