



Position Number: D95858

Job Title: Senior Network Engineer & Team Manager

Department: Office of Information Technology, Network & Telecom Services

FTE: 1.0 Benefits Eligible

Job Type: Administrative

Posted Date: 12/22/2011

Position Summary:

Portland State University is a 29,000+ student Doctoral institution with more than 3,800 faculty and staff. PSU is located in downtown Portland and includes 55 major buildings within the University district. The campus network infrastructure is state-of-the-art and serves more than 16,000 active devices used by approximately 40,000 individuals in credit and noncredit classes each year. The Network & Operations Services team actively participates in various network consortiums and projects throughout the greater Portland metropolitan area to include the Northwest Access Internet Exchange (NWAX), the Portland Research & Education Network (PREN), the Oregon GigaPoP (OGIG), and various other wired or wireless network projects in the greater Portland area.

Under the general direction of the Associate Director of NTS for Network and Telecommunications Services, this position is responsible for coordinating the activities of the university's Data Network Engineering & Operations Services team (3 network engineers/analysts and 1-2 student interns). This position functions as the campus' senior network engineer and primary network architect. This is a "hands-on" highly technical position requiring current, in-depth knowledge of and experience with local and wide area network, wireless and voice technologies.

Primary Duties:

- Serve as primary technical architect/engineer/consultant for developing, engineering, and installing wired and wireless data networks both on and off campus
- Design, implement, manage, support, and document wired and wireless campus networks
- Design, implement, manage, support, and document the campus voice infrastructure
- Troubleshoot, isolate, and resolve problems with communications and networking hardware/software
- Provide strategic planning, fiscal coordination, budget preparation and resource management for network services program area
- Lead, supervise, and develop a small team of technical employees, student workers and contractors or subcontractors in ongoing expansion and upgrade of campus networks. Conduct performance evaluations, hiring/firing/discipline decisions, and/or make supervisory recommendations to the Associate Director.

Minimum & Preferred Qualifications

- Thorough understanding of Layer 2 (primarily Ethernet) and Layer 3 (primarily IP) networking in larger (5,000 to 10,000 node) network environments serving 2,500+ network users
- Extensive hands-on experience in and knowledge of IP routing protocol (OSPF and BGP) and network management using SNMP

- Must possess excellent customer interaction skills to include effectively dealing with irate customers, customer needs identification and analysis, and fostering effective professional rapport with a variety of customer intellects and user abilities
- Team leadership and management skills to include the ability to mentor staff and student workers and make efficient use of limited staff resources
- Ability to determine long-term cost efficiencies of near term investments in network technologies, equipment and services
- Project planning/management experience including the ability to deal effectively with multiple deadlines, simultaneous projects and varying priorities while managing the day-to-day operation of the network
- Good foundation and experience in understanding the role the network should or shouldn't play in security policies for a complex organization (i.e., intrusion prevention, host security)
- Bachelor's degree, preferably in computer science, engineering, mathematics, telecommunications or related field, is required.
- Cisco Certifications: CCNA required, CCNP preferred
- Recent experience working in higher education is preferred
- Recent experience in Avaya VoIP implementation is preferred

Compensation

This is a 1.0FTE (40 hrs/week) unclassified position. The annual salary rate is **\$84,500 - \$94,500** (depending on qualifications & experience) with an excellent benefits package, including fully paid medical and dental coverage, generous retirement and vacation packages, and tuition reduction for employee or one dependent at all Oregon University System institutions. The total compensation (salary and benefits) may be viewed via the PSU Total Compensation Calculator:

<http://www.pdx.edu/hr/psu-total-compensation-calculator>

To apply

Please submit the following documents via email to brennak@pdx.edu (preferably in PDF format); applications will be accepted until **01/31/2012**. Incomplete applications that do not have all three of the following documents will NOT be accepted.

1. Cover letter highlighting your relevant experience
2. Current resume
3. Answers to the three supplemental questions below:
 - Describe your philosophy regarding the consolidation of voice and data infrastructures and what do you think the voice/data landscape will look like over the next three to five years. Provide examples of previous activities that reflect your philosophy.
 - How will wireless, both WLAN and WMAX/LTE, affect network infrastructure design and support activities over the next three to five years? Provide example(s) of your previous experience with designing an institution wide WLAN and WMAX/LTE infrastructure.
 - Describe your methodology for maintaining a complex voice and data infrastructure. Note any documentation, monitoring, or change management techniques employed.

PSU is an AA/EO institution and welcomes applications from diverse candidates and candidates who support diversity.