



Keystone Initiative for Network Based Education and Research

KINBER

Senior Network Engineer

This position at KINBER provides advanced engineering and operations support for PennREN, KINBER's regional research, education and community network. This position will provide technical support for design, monitoring, analyzing, and improving the regional state-of-the-art computer network and its wide area network connections to national networks, including commercial internet service providers and research and education networks. This person must be able to design optically based TCP/IP networks in a multi-vendor environment; quickly identify and solve end-to-end and other network performance problems; capable of using network monitoring and debugging tools and interpreting the results of these tools in order to successfully understand network behavior; and improve network configuration and performance. This position requires an underlying knowledge of network behavior gained through formal engineering/computer science education and experience and ability to apply it to understanding and supporting the overall operation of the PennREN network. Additional responsibilities associated with the position includes: testing and evaluating network hardware and software; developing new network monitoring platforms and analysis tools such as perfSONAR and FIONA; and, writing network documentation. This position will also be responsible for regular on-call responsibilities.

Qualifications

Minimum qualifications for this position include a BS in Electrical Engineering, Computer Engineering, Computer Science or related field with an advanced degree preferred; a valid US Driver's license and experience with multiple network equipment, including but not limited to Cisco, Juniper and ADVA. The qualified candidate must also have five or more years experience with operating system (UNIX, Windows, OS-X) environments; network protocols (TCP/IP); network technologies and services such as routing, switching, Ethernet, DNS, SNMP; and network diagnostic tools.

Working Conditions

Primarily in an office environment. Must have the ability to lift and carry 40 pounds and the ability to stay at a terminal and use a keyboard and mouse for extended period. The candidate must have the ability to travel to a variety of sites (Pennsylvania and throughout the US). Periodic weekend or evening work is expected.

To Apply

Competitive salary and full benefits are offered. Email cover letter with preferred salary range and resume by March 15, 2019 to jobs@kinber.org. To learn more about KINBER, visit www.kinber.org. Equal Opportunity/Affirmative Action Employer.



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About KINBER

The Keystone Initiative for Network Based Education and Research (KINBER) is a non-profit organization devoted to fostering collaboration through technology for education, research, healthcare, libraries, public media, workforce development, government and economic development. KINBER offers connectivity, technology infrastructure solutions and training and professional development opportunities tailored to support the needs of our members, ranging from libraries and health systems to large university settings.

KINBER built and manages the 1,800-mile Pennsylvania Research and Education Network, known as PennREN, which provides advanced data networking to non-profit organizations and fosters collaboration between Pennsylvania-based organizations for value-added services such as Internet2 connectivity, realistic high-definition video, real-time videoconferencing, and data sharing. PennREN provides cost-effective, high-capacity, state-of-the-art network connectivity to more than 100 community anchor institutions in 51 of Pennsylvania's 67 counties. As a trusted technology partner, KINBER provides a broad set of technology-based services.