



**HIGHWINDS®**

**Position: Principal System Performance  
& Capacity Planning Engineer  
Location: Winter Park, FL**

**About Us:**

Highwinds is an established leader in multi-platform IP services, content replication and delivery software and services. Since 2002, we have provided for the advancement of a wide range of technologies - including messaging bus architecture, network management, distributed file systems and advanced routing methods.

If you are motivated to deliver high quality and innovative services, Highwinds can offer you a great career opportunity. We offer benefits including 401k, medical, dental, vision, paid time off, and a competitive salary plus commission to qualified team members.

**Job Summary:**

As a Principal System Performance and Capacity Planning Engineer in our QA and Implementation Department, you'll be doing world-wide capacity planning for our Content Delivery Network. You'll also be responsible for evaluating the overall performance of the system and recommending improvements. We see Performance Optimization and Capacity Planning as two sides of the same coin; we need someone who has a proven track record of doing both. We are looking for a creative and detail-oriented Engineer with both a vast knowledge of large scale, distributed computing infrastructures as well as business acumen—after all, engineering solutions that don't consider financial factors aren't very useful in the real world. Our ideal candidate is a hands-on engineer with a "bits to the boardroom" perspective.

**Responsibilities:**

- Optimize the performance of our CDN considering hardware, software, and network components together with other financial metrics and product goals
- Ensure the right capacity is in the right place at the right time within our CDN
- Lead the creation of a company 18 month hardware roadmap for our CDN that establishes an approach to capacity management and performance optimization
- Research customer usage patterns and identify key server performance requirements
- Analyze & evaluate hardware, software, and network performance information to determine & recommend changes
- Investigate new hardware solutions for cost and performance suitability
- Responsible for tasks such as collecting reports, assessing cost constraints, and applying necessary security restrictions to determine hardware configurations
- Monitor functioning of production server equipment and make necessary recommendations to ensure that the system operates in conformance with specifications.
- Test and verify hardware and support peripherals to ensure that they meet specifications and requirements as well as analyzing and recording test data
- Work with the QA and software engineering resources to identify issues that may arise with CPU, Memory, Storage, and Network resources within the CDN
- Production server inventory management
- Create project plans in order to implement Hardware Capacity plans
- Aggressively execute and manage project plans as part of a team
- Perform root cause analysis of hardware issues as needed and determine necessary

corrective action

- Provide hardware recommendations and assist in the purchasing process
- Assist with Vendor management & hardware price negotiation
- Perform other duties as requested by manager

**Qualifications:**

- Previous experience managing server hardware at a 24/7 distributed Production Environment.
- At least 6 years prior experience in designing, capacity planning, implementing, documenting and management of multi-vendor server infrastructures.
- At least 2 years working knowledge of Linux file systems, backup methodologies, device configuration, installation, systems logging, and troubleshooting.
- At least 1 year working knowledge of the TCP/IP protocol suite, specifically relating to the applications and services that run over these protocols: SSH, NNTP, HTTP, FTP.
- Demonstrated mastery of Linux command line interface (CLI) tools such as awk, sed, etc.
- Demonstrated Understanding of IP sub netting, Network layout methods, and VLAN segregation.
- Strong understanding of Linux operating system
- Systems administration and system architectural experience
- Ability to think creatively and communicate accurately
- Work experience in the CDN Industry is a plus.

**Education:**

- B.S. Electrical Engineering or Computer Science or equivalent experience

**Working Conditions:**

- Basic office environment

***This job description is not intended to be all inclusive. Applicants must be legally permitted to work in the U.S. in order to have their application considered.  
Highwinds is an Equal Opportunity Employer.***

If you are interested in this position with Highwinds, please submit your cover letter and résumé to [careers@highwinds.com](mailto:careers@highwinds.com). In the subject line of your email, please include the title of the position.

If your experience and qualifications match our current needs, you will be contacted by a member of our human resources team. We look forward to hearing from you!