Systems Job Description: Senior Infrastructure Engineer

JOB SUMMARY

The Senior Infrastructure Engineer is responsible for our digital animation studio's technology infrastructure. This is a technology leadership position responsible for the infrastructure that supports creative artists working in a dynamic, fast-paced production environment. Areas of focus include:

- Technology solutions that support the studio's production requirements and business goals.
- A secure and highly available infrastructure that meets or exceeds current best practices and industry standards.
- Monitoring, analyzing and forecasting system performance, utilization and availability.
- Continual improvement of the Studio's infrastructure, policies and processes.
- Technical expertise and leadership when responding to production problems, including post mortem analysis and post-event response.
- Technical input for the development of technology roadmaps and forecasts.

RESPONSIBILITIES

- Primary areas of responsibility include: security, network, storage and server infrastructure.
- Secure studio assets according to best practices and industry standards.
- Maintain the server and storage environment for enterprise applications including Directory Services (LDAP, Active Directory, NIS, Samba) and Messaging (Zimbra, Instant Messaging).
- Recognize and resolve problems quickly to minimize the impact on production processes.
- Performance monitoring and metrics for infrastructure services.
- Establish policies on system use and services.
- Technical leadership and management of project-based implementation teams with a focus on complex cross-platform integration projects.
- Develop system requirements, acceptance test procedures and RFPs for new projects. Ensure that we deliver solutions that are in line with production and business goals.
- Contribute to cost-benefit studies for new and existing systems.
- Provide technical leadership and mentoring for systems administration staff.

QUALIFICATIONS

The successful candidate will have a minimum of 10 to 15 years experience designing, implementing and managing technology infrastructure in production environments. Experience with film industry production systems is a plus.

- *Security.* Supporting a security infrastructure based on next-generation firewall and content security standards.
- *Networking.* Implementing and managing a high-performance network and distributed computing environment. A thorough understanding of the principles of routing, client/server programming, the design of consistent network-wide file system layouts and comprehensive network security is a requirement. Experience with Brocade/Foundry networking is a plus.
- *Network Attached Storage.* Implementation and management of NAS file systems. Experience with Isilon and Hitachi NAS storage solutions is a plus.
- *Servers and Operating Systems.* Experience supporting large-scale Linux-based workstation and server environments. Experience with the Fedora, Scientific Linux, FreeBSD and OpenBSD operating systems is a plus.
- Working experience with Mac OS X and Windows operating systems, including integration and troubleshooting in mixed environments.
- *Data Center Design and Maintenance.* Experience supporting data center physical plant infrastructure including power, HVAC, cabling, monitoring and physical security.
- *Enterprise Tape Backup.* Implementation and management of enterprise tape backup systems. Experience with EMC Networker and SpectraLogic tape libraries is a plus.

- *Programming*. Expertise in scripting languages such as Perl, AWK, Bourne Shell. An understanding of C programming is a plus.
- *Communication Skills.* Excellent verbal and written communication skills. The ability to communicate effectively and accurately with management, systems administration team members, customers and vendors is a core job responsibility. The successful candidate will have demonstrable experience writing and presenting specifications, proposals and white papers.
- *Management*. A proven track record for managing multiple projects, priorities and tasks.
- *Emergency Response*. Experience with taking a leadership role in technical incident management and resolution.
- *Work Habits*. Able to handle a heavy, diverse workload in an organized, systematic way. The ability to contribute at a high level while maintaining perspective and a sense of humor.
- *Degree*. A degree in computer science or a related field. A master's degree is a plus.