Job Description – Infrastructure Architect

Department: Technology Services  Report To: IT Director

Position Summary

The Infrastructure Architect is responsible for the development and ongoing maintenance / support of Provide technical expertise and architectural solutions in infrastructure, hardware, hosting service and network areas.

Responsibilities

• Responsible for complete infrastructure (Pu Dong Academic Building, Dorms, ECNU, etc.) design, systems analysis, security, data center operation, network & voice communication.
• Acts as expert for infrastructure teams in the plan, design, and delivery of IT solutions.
• Advises teams of IT technology standard requirements, methodology and processes.
• Drives short & long term architecture strategy for the overall IT project portfolio for key business segments.
• Participates in proof of concepts to assist in defining technology direction and enabling business strategy.
• Communicates and validates program architecture with infrastructure team, project management team, and technology services management team.
• Conducts end-to-end technical plan design.
• Develops long-term strategy for historical data retention and archival plan for storage needs.
• Defines data retention, backup, and recovery methods and plans.
• Develops enterprise standards to ensure compatibility and integration of multi-vendor platforms.
• Design and develop infrastructure blueprints for the implementation of new solutions.
• Responsible for impact analysis and design modifications to existing systems to support new solutions.
• Develops specifications for interfaces from existing to new systems.
• Maintain a common documentation library of standardized procedures and configurations
• Provide third level support for incidents and problems in designated areas of expertise.
• Communicate and collaborate with local IT staff as well as colleagues in other parts of the world (COS, CFS, GTS Team in New York) for configuration, troubleshooting.
Qualification

• Required Education

Required at least Bachelor's degree, master is a plus.

• Required Experience

➢ 10+ years’ experience in a production IT environment managing enterprise IT infrastructure, hardware, hosting service and network areas.
➢ Ability to write architectural design documents or review design documents provided by others.
➢ Knowledge and understanding of industry trends and new technologies and ability to apply trends to architectural needs.

• Required Knowledge, Skills, and Abilities

➢ Must have a thorough knowledge of the Windows concepts, Domains, Active Directory and its concepts, and the interaction between hardware, operating systems, network, data center, and application software, Linux and Unix is a plus.
➢ Strong working knowledge of VMware or other virtual software.
➢ Deep understanding of TCP, IP and other network protocols. Familiarity with DNS, DHCP and other network services.
➢ Knowledge of disc storage Microsoft Certified System Engineer (MCSE) certifications in Windows 2008 or Windows2012.
➢ Knowledge of Cisco network and voice gears and technologies, CCNA(P)is a must, CCIE is preferred.
➢ Knowledge of managing a data center in terms of systems monitoring, capacity planning and performance tuning.
➢ Strong ability to communicate well in English and Chinese, orally and in writing.
➢ Ability to operate in a fast-paced, evolving environment and appropriately prioritize tasks, and keep abreast of the latest technology.
➢ Capability to work with people in different time zones.

Interested candidates should forward a CV with a cover letter to shanghai.hr.recruit@nyu.edu.

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