



Senior Network Architect Job Description

Summary/Objective

Reporting to the Chief Technology Officer (CTO), this position is a key strategic position within the organization that is responsible for architecting and designing complex regional and campus network infrastructures. This role works closely with the CTO to identify professional services engagement opportunities within the LEARN community. The ideal candidate will possess the ability to work positively with a wide range of individuals. This individual will require minimum supervision and will have strong organizational and analytical skills with the ability to understand and break down complex technology concepts and communicate it to nontechnical stakeholders.

The individual will work in a small team environment but will have significant interaction with network and service providers and members ranging from K-20, higher education, system networks, other regional and national networks, content providers, and application providers.

Position Location: This position requires the candidate to operate from a home office in a virtual office environment. Dallas/Fort Worth Metroplex preferred, Texas residence required.

Travel Requirements: Occasional travel to LEARN member locations throughout the state of Texas.

Functions and Areas of Responsibility

Professional Services Engagements

- Leads the assessment of prospect or member technical requirements and creates proposals outlining network architecture design solutions. Works with CTO to identify engagement scope for professional services to implement design.
- Leads and oversees multiple initiatives and prospect/member engagements to ensure that scopes, budgets, revenue targets and project deadlines are planned and met.
- Collaborate with CTO & Network Services Director in developing new managed services engagements resulting from professional service implementations.
- Collaborates with other leaders to prioritize projects, develop, and implement plans, and manage resources and priorities for the organization.
- Identify key requirements needed from cross-functional teams and external vendors.
- Work with the Leadership Team to identify risks and opportunities across multiple professional services engagements.
- Responsible for presenting network design proposals to members including formal presentations to large audiences.
- Serve as technical Subject Matter Expert and advocate for LEARN professional services at outreach events such as board meetings, technical workshops, and other community events.

Network Architecture Design

- In partnership with key stakeholders, develops enterprise network architecture design principles, standards, and multi-year refresh plans and budgetary requirements for Campus Wide Area, Border, Core, Edge, Data Center, and Wireless networks.
- Research current and emerging network infrastructure technologies.

- Provide engineering and support services as needed for LEARN regional state-wide network operation. This includes serving as a technical lead for projects associated with optical and packet network technologies.
- Serve as second-tier support for network operations and participate in on-call rotation as needed.
- Provide coaching and mentorship to members of the engineering team and Interns.
- Interact and collaborate with vendors and contractors for product/platform evaluation, technical implementation and planning, and procuring network products and services.
- Develop, implement, and maintain standard operational procedures and established standards.

Other Duties

- This job description is not designated to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.

Required Qualifications

- Bachelor's Degree with minimum of ten years of experience working directly with complex network environments.
- Current network certification from Arista, Cisco, Juniper, or Nokia.
- Proven experience with advanced service provider and WAN router configurations utilizing logical systems, BGP in a multi-homed environment, IPv4, IPv6, ISIS, OSPF, MPLS, LACP, LDP, L2 and L3 VPN, VPLS, EVPN, QoS, 802.1q, 802.1p and IP Multicasting technologies.
- A working knowledge of networking protocols, with a thorough understanding of TCP/IP, IPv4/v6 address management, and DNS.
- Proven experience with network management and monitoring systems and diagnostic tools commonly used within the service provider networks.
- Proven working experience with Next-Generation Firewalls, Intrusion Prevention Systems (IPS) and Intrusion Detection Systems (IDS).
- Knowledge of fiber optic technologies and Layer 1 protocols & technologies.
- Must be able to conform to shifting priorities, demands and timelines through analytical, organizational, and problem-solving capabilities.
- Experience at working both independently and in a team-oriented, collaborative environment is essential. This role will work closely with other, non-technical departments.
- Experience managing multiple complex projects, with proven ability to execute projects on time and on budget.
- Excellent written and verbal communication skills; experience presenting and communicating to executives.
- Must be able to lead and motivate project teams and meet specified deadlines.
- Exceptional leadership, time management, facilitation, and organizational skills.
- Proficiency in MS Office applications.

Preferred Qualifications

- Linux or BSD system administration skills
- Experience with network automation software
- Experience with Software-Defined Networking (SDN) technologies

- Experience with Cloud Networking technologies
- Experience implementing Wireless Networking technologies
- Palo Alto, Fortinet, or Cisco security certifications
- Prior experience working with research & education and complex network environments

To apply for this job, please submit a resume and application (found on the next page) in PDF format to jobs@tx-learn.net with "Sr Network Architect" as the subject line.



APPLICATION FOR EMPLOYMENT

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

Qualified applicants are considered for employment without regard to race, color, religion, gender, national origin, age, mental or physical disabilities, marital status, veteran status, sexual orientation, gender identity and/or expression, genetic information, or any other characteristic protected by applicable law. All employment decisions shall be consistent with the principles of equal opportunity employment. Accommodations to enable all individuals to participate in the application process may be provided upon advance request.

ANSWER ALL QUESTIONS - PLEASE PRINT

Applicant's Name (Last) (First) (Middle)*		Date of Application
Are you known by any other names or aliases, including a maiden name? * <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, what name(s) are you known by?		
Applicant's Current Address (Address, City, State, Zip)*		
Applicant's Email Address		
Telephone	Date Available for Work	
Position(s) Applied For (List Job Titles)	Status Desired <input type="checkbox"/> Full Time <input type="checkbox"/> Part Time <input type="checkbox"/> Temporary	
Referral Source <input type="checkbox"/> Advertisement	<input type="checkbox"/> Employment Agency _____	<input type="checkbox"/> College/Career Placement Office
<input type="checkbox"/> Job Fair	<input type="checkbox"/> Employee	<input type="checkbox"/> Other
Have you filed an application or been employed here before? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes give date(s)		
Are you 18 years of age or older? <input type="checkbox"/> Yes <input type="checkbox"/> No	Are you eligible to be lawfully employed in the United States (proof of citizenship or immigration status will be required upon employment)? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Do you now, or will you in the future, require sponsorship for employment visa status (e.g., H-1B visa status, etc.) to work legally for our Company in the United States? <input type="checkbox"/> Yes <input type="checkbox"/> No		
List any friends or relatives employed by the company. What is the relationship?		
Have you ever been convicted of a felony? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If yes, provide all detail** **Conviction of a crime will not automatically disqualify you from employment.		

EMPLOYMENT EXPERIENCE (List relevant work experience. Start with your present or last job. Include military service assignments and volunteer activities)

Date From/To	Employer Name	Employer Address		
	Employer Phone Number	Job Title	Starting Salary / Hrly Rate	Final Salary / Hrly Rate
1	Supervisor	Reason for Leaving		
	Work Performed	May we contact <input type="checkbox"/> Yes <input type="checkbox"/> No		
	Are you known by another name <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, What name?			
	Date From/To	Employer Name	Employer Address	
Date From/To	Employer Name	Employer Address		
	Employer Phone Number	Job Title	Starting Salary / Hrly Rate	Final Salary / Hrly Rate
2	Supervisor	Reason for Leaving		
	Work Performed	May we contact <input type="checkbox"/> Yes <input type="checkbox"/> No		
	Are you known by another name <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, What name?			

Date From/To	Employer Name	Employer Address		
	Employer Phone Number	Job Title	Starting Salary/ Hrly Rate	Final Salary/ Hrly Rate
3	Supervisor	Reason for Leaving		
	Work Performed	May we contact <input type="checkbox"/> Yes <input type="checkbox"/> No		
	Are you known by another name <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, What name?	
Date From/To	Employer Name	Employer Address		
	Employer Phone Number	Job Title	Starting Salary/ Hrly Rate	Final Salary/ Hrly Rate
4	Supervisor	Reason for Leaving		
	Work Performed	May we contact <input type="checkbox"/> Yes <input type="checkbox"/> No		
	Are you known by another name or do you have a maiden name? <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, What name?	

REFERENCES (List professional references only. Do not list friends or relatives)

Name and Title	Email Address / Phone Number

Education	Name and Address of School	Course of Study	Did you Graduate?	List Diploma / Degree
High School				
College				
Other (Specify)				

PRE-EMPLOYMENT STATEMENT

I represent that my responses set forth in this application are truthful, accurate, and complete. Any and all false or inaccurate statements made by me in this Application or otherwise during the employment evaluation process shall be grounds both for rejecting my Application for employment , and, should I be hired by LEARN, termination of my employment.

I authorize representatives of LEARN to contact education institutions and employers designated in this Application for purposes of verification and investigation of my education and employment background and performance. Such individuals and organizations are authorized to release all such persons from liability or damages incurred as a result of furnishing such information. I understand that an unsatisfactory reference shall be grounds both for rejecting my Application for employment, and should I be hired by LEARN, termination of my employment. Should I be employed by LEARN, I understand that I could be subject to an outside probe if accused of wrongdoing.

Submission of the application does not entitle me to be interviewed by LEARN. Further, nothing in this Application or in the employment evaluation process shall be construed as either an offer of employment or an obligation on the part of LEARN to provide any benefit to me. Should I be employed by LEARN, I agree to comply with any and all employment rules and policies of LEARN.

After reading all of the terms of this Application, I hereby affirm that I understand and agree to the provisions of the same. I also agree that my employment with LEARN is on an "at-will" basis, meaning that such employment may be permanently discontinued by either LEARN (through discharge or layoff) or myself through voluntarily quitting at any time without notice and without any recourse of any kind by either party.

I affirm the information in this application is true and complete, and any intentional deception herein may be considered sufficient cause for dismissal.

Date*

Applicant's Signature*

***Required**