



Job Posting

Position:

Network Architect Engineer

Overview:

PET Systems (PTS) is currently recruiting a full-time Network Architect Engineer to join our team in Dallas, GA. We are seeking a subject matter expert on IT/OT networks for our industrial clients.

Skills / Qualifications: The below skills are examples of what a Network Architect should expect to perform at PTS.

- Network Architect Engineer shall be proficient at writing and maintain installation and hardware specs and create installation scope documents/drawings. Existing AutoCAD proficiency desired.
- Network Architect Engineer shall be knowledgeable in UL and NEC requirements for Network Systems and Enclosures. Design work and drawings shall adhere to both UL and the NEC.
- Network Architect Engineer should be proficient in specification and configuration of Servers and Network Architecture and be able to work with client IT departments to segregate IT/OT networks while maintaining client security mandates. The Network Architect Engineer shall develop and understand network design, bandwidth limitations, security, and adhere to industry best practices.
- Network Architect Engineer shall work with other disciplines to understand fully the systems being integrated/controlled. This includes possessing or developing and understanding industrial automation systems.
- The Network Architect Engineer should be proficient in installation methods and materials of both infrastructure (Copper/Fiber media) as well as Hardware (IDFs/MDFs, server systems, UPS, etc.).
- Network Architect Engineer shall conduct Factory Acceptance Tests (FATs) as required.
- Network Architect Engineer must have a programming background and be willing and able to assist our visualization team as needed (utilizing mostly VB, C++, and python).
- Network Architect Engineer, as a bonus, would be knowledgeable in typical industrial serial communication protocols (Modbus RTU, Bacnet MS/TP, LonTalk, etc.). The Network Architect Engineer would be able to set up a serial to ethernet network and troubleshoot serial networks.
- Network Architect Engineer shall generate Requests for Proposal for Network related equipment and be able to scrub received proposals highlighting any technical deviations.
- Network Architect Engineer shall conduct onsite system startup and commissioning of the designed IT/OT Network to include Server Setup/Configuration, Layer 2/3 Switch Setup/Configuration, etc.). Network Architect Engineer shall be sufficiently knowledgeable in the systems to direct start-up activities. Network Architect Engineer shall perform troubleshooting of system issues both software and hardware related.
- Network Architect Engineer shall coordinate with design engineers to fully understand the system design, required integration, and intended functionality.
- Ability to coordinate multiple projects related to IT/OT network designs and installations.

Requirements:

- Must be willing and able to travel as necessary for project requirements.
- Must maintain professional competence, ethical integrity, knowledge, and skills.



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- Handles sensitive and proprietary information in a confidential manner.
- Ability to work independently within parameters set by management. Assignments may be self-initiated. Determines and pursues courses of action necessary to obtain desired results.
- Excellent verbal and written communication skills. Strong presentation skills. Leads group discussions.
- Listening. Practices attentive and active listening; has the patience to hear people out; can accurately restate the opinions of others even when he/she disagrees.
- Priority Setting. Spends his/her time and the time of others on what is important; quickly zeros in on the critical few and puts the trivial many aside; can quickly sense what will help or hinder accomplishing a goal; eliminates roadblocks; creates focus.
- Dealing with Ambiguity. Can effectively cope with change; can shift gears comfortably; can decide and act without having the total picture; is not upset when things are up in the air; does not have to finish things before moving on; can comfortably handle risk and uncertainty.
- Problem Solving. Uses rigorous logic and methods to solve difficult problems with effective solutions; probes all fruitful sources for answers; can see hidden problems; is excellent at honest analysis; looks beyond the obvious and does not stop at the first answers.
- Decision Quality. Makes good decisions (without considering how much time it takes) based upon a mixture of analysis, wisdom, experience, and judgment; most of his/her solutions and suggestions turn out to be correct and accurate when judged over time; sought out by others for advice and solutions.
- Integrity and Trust. Is seen as a direct, truthful individual; can present the truth in an appropriate and helpful manner; keeps confidences; admits mistakes; does not misrepresent him/herself for personal gain.
- Customer Focus. Is dedicated to meeting the expectations and requirements of internal and external customers; gets firsthand customer information and uses it for improvements in products and services; acts with customers in mind; establishes and maintains effective relationships with customers and gains their trust and respect.

Education:

Bachelor's degree in Electrical Engineering, Computer Engineering (or related Computer Science discipline), Electrical Engineering Technology, or Mechatronics preferred. Other related degrees will be considered.

Company Overview:

PTS is a multi-discipline engineering firm well established in the Food & Beverage and Bulk Material Handling (Industrial) Industries. We are a close-knit group of like-minded engineers and designers who value our unique culture where everyone "rows the boat." We keep overhead low and focus on small, tactical teams of engineers solving problems for our clients while completing all sizes of projects. We are an employee-owned company who can offer a path to ownership for outstanding contributors. PTS prides itself for being on the cutting edge of design technology using the latest software and design techniques to become more efficient and accurate. Our quality and flexibility have elevated us with our ever-growing existing customers. This has generated strong repeat business and an expanding customer base which has afforded our continued growth.



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WORKING CONDITIONS

Vision & Hearing	Yes	No
Close Vision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Distant Vision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Peripheral Vision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Color Vision	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ability to Adjust Focus	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Depth Perception	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In-Person Speaking	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Telephone Communication	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other Sounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Physical Requirements	0% Never	1 – 33% Occasionally	34 – 66% Frequently	67 – 100% Continuously	Floor to Waist	Waist to Shoulder	Above Shoulder
Lift 1 – 20 lbs.		X			X	X	X
Lift 21 – 50 lbs.		X			X	X	
Lift 50+ lbs.		X			X		
Carry 1 – 20 lbs.		X			X	X	X
Carry 21 – 50 lbs.		X			X	X	
Carry 50+ lbs.		X			X		
Push/Pull 1 – 20 lbs.		X			X	X	X
Push/Pull 21 – 50 lbs.		X			X	X	
Push/Pull 50+ lbs.		X			X		

Other Physical Requirements for the Job

Physical Activity	0% Never	1 – 33% Occasionally	34 – 66% Frequently	67 – 100% Continuously
Walking/Standing			X	
Bending		X		
Stooping		X		
Twisting		X		
Squatting		X		
Kneeling		X		
Crouching		X		
Crawling		X		



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Physical Activity	0% Never	1 – 33% Occasionally	34 – 66% Frequently	67 – 100% Continuously
Walking/Standing			X	
Climbing Ladders & Stairs		X		
Climbing Ropes & Scaffolding		X		
Gross Manipulation		X		
Fine Manipulation			X	
Keyboarding			X	

Work Environment: Exposure to the Following Conditions

Conditions	0% Never	1 – 33% Occasionally	34 – 66% Frequently	67 – 100% Continuously
Outdoor Weather Conditions		X		
Extreme Cold (Non-Weather)		X		
Work in High/Precarious Places		X		
Risk of Electrical Shock		X		
Flammable, Explosive Gas		X		
Toxic or Caustic Chemicals		X		
Dust or Other Irritants		X		
Grease or Oils		X		
Cleaning Agents/Chemicals		X		
Hot or Noisy Equipment		X		
Humid/Wet Conditions (Non-Weather)		X		
Exposure to Nuts or Peanuts		X		

Safety Equipment Used When Performing this Job

Safety Equipment	0% Never	1 – 33% Occasionally	34 – 66% Frequently	67 – 100% Continuously
Safety Glasses		X		
Filter Lens	X			
Gloves		X		
Face Shields		X		
Ear Plug/Muffler		X		
Dust Mask		X		
Steel Toe Boots		X		
Hard Hat		X		
Coveralls		X		