



Systems Solution Field Engineer

Overview

Tyto Athene (formerly Black Box Government Solutions) is a full service integrator focused on helping clients accelerate their ability to make decisions by providing ubiquitous and secure access to enterprise information throughout their operating environment. Tyto Athene uses a myriad of technologies, innovative thinking, and proven processes to deliver successful outcomes for its clients worldwide.

We are seeking a qualified Systems Solution Field Engineer in the Amherst, VA Network Operations Center (NOC).

Duties and Responsibilities:

The Systems Solution Field Engineer must be capable of providing post-sales engineering implementation services for voice, video, data, network/physical security and Unified Communications solutions.

Principle duties and responsibilities include the following. Other duties may be assigned.

- Provide Engineering design, implementation and testing services to current and future customer base for voice, video, data, network / physical security and Unified Communications solutions.
- Contribute to project planning and participate in all project phases (requirement definition, implementation and configuration, user acceptance testing)
- Evaluate potential solutions and systems architecture to ensure that they meet all requirements.
- Provide technical overview of product architecture, functionality, system / data requirements, service delivery and integration with enterprise applications.
- Prepare documentation for internal and external clients detailing system designs and configuration of deployed solutions.
- Lead and/or participate in meetings with internal teams, customers, and vendors to review requirements, address open issues/questions, close gaps.
- Proactively assess solution specifications in light of changing customer requirements, and recommend solution changes that optimize value for both Tyto Athene and the client.
- Planning, developing, finalizing, and reviewing key deliverables in each stage of the project life cycle.
- Perform writing responsibilities for technical design and methodology for proposal volumes, white papers and project deliverables as necessary.
- Maintain technical expertise by staying abreast of emerging technologies, industry trends and Federal Agency and Department of Defense standards, directives and policies.

Preferred Skills and Qualifications:

- Prior experience with Federal Agency and Department of Defense Unified Communications and Network design and implementation.
- Knowledge of Avaya, Cisco, GENBAND, and NEC Unified Communications platforms is desired.
- Knowledge of Avaya, Brocade, Cisco, HP, Juniper, etc. data switches and routers is desired.
- Knowledge of VPNs, firewalls and intrusion detection/prevention hardware is desired.

- Knowledge of network monitoring and management systems, such as CA Spectrum, Brocade IronView, CiscoWorks, HP OpenView, Sniffer, etc desired.
- Knowledge of Ciena, Fujitsu, Tellabs Passive Optical Networking (PON) and optical transport systems is desired.
- Knowledge of Unified Messaging, Automated Call Distribution, Telephony Firewall, Conference Bridge and Infrastructure design is desired.
- Knowledge in Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS) offerings from the major Cloud Service Providers (CSP)
- Knowledgeable in the areas of Software Defined Networking (SDN), virtual switches, routers and firewalls, and SDN solutions offered by leading vendors leveraging both OpenFlow and additional support protocols.
- Experience with server and desktop virtualization. Ability to install, configure, and manage VMwarevSphere environment: vCenter, hypervisor on new hosts, virtual machines, datastore creation and maintenance.
- Experience with Orchestration leveraging technologies such as Red Hat Open Stack Platform (RHOSP), Red Hat Enterprise Virtualization (RHEV) and Ansible
- Prior experience with Linux scripting.
- Experience with current DoD Information Assurance and Risk Management Framework (RMF) policies, procedures, and techniques.
- Experience with DISA Security Technical Information Guides (STIGs) is a plus Experience with Nessus Scanner (ACAS) and Security Content Automation Protocol (SCAP).
- Desired Certifications: CCIE (Collaboration, Routing & Switching or Data Center), CCDP, BPIPA, VCP, Red Hat, OpenStack, Azure, MCSE or equivalent.

Required Skills and Qualifications:

- Bachelor's degree in Information Technology, Engineering, Computer Science, Systems or Business discipline. 10 years or greater direct relevant technical experience may be substituted for education.
- Minimum of 5 years with of engineering deployment experience involving complex client requirements assessment, solutions design and implementation within the technology services industry.
- CCNP Collaboration, Routing & Switching or Data Center
- In-Depth experience with various operating systems to include, but not limited to, Window's Server 2016, Exchange 2016 and Red Hat 7.4.
- Experience with implementation of Unified Communications, Session Border Controller and Data Center environments.
- The ability to obtain an Information Assurance Technical (IAT) Level II certification as listed in the current version of DoDD 8570.01-M within two (2) months of hire date. IAT Level II certifications include:
 - Cyber Security Essentials Certification (GSEC)
 - CompTIA Security+
 - Cisco CCNA Security

- Systems Security Certified Practitioner (SSCP)
 - Advanced knowledge of IP Subnetting, QoS and IPV4/IPV6 model
 - Advanced knowledge of Storage Area Network (SAN), Network Attached Storage (NAS), Data Center, Virtualization, Data Networking and Unified Communications design.
 - Hands-on experience configuring, monitoring, and troubleshooting complex networks including working with multiple vendors such as Cisco, Brocade, HP, Juniper, VMWare etc... using commercial and open source tools such as SolarWinds, Wireshark, Splunk, etc.
 - Must have proven ability to utilize standard Microsoft tools (Visio, Word, Excel, PowerPoint) to produce technical documentation, including proposals, white papers, technical reports, and briefings for a variety of audiences with technical knowledge ranging from novice/user-level to advanced/engineering-level.
 - Must work well under pressure and time constrained environment with the ability to successfully manage multiple priorities simultaneously.
 - Must be willing to travel In the Continental United States (CONUS) or Outside the Continental United States (OCONUS) for extended periods of time.
 - Candidates must meet criteria to pass a background check and obtain a DoD Secret Security Clearance
 - A valid United States (US) driver's license.
 - Must have the ability to obtain a valid passport.