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Career Overview:
14 + years of experience performing a wide variety of complex technical support activities including infrastructure design, cost analysis, procurement and installation of cyber security networked systems at customer sites remotely/locally/regionally/globally. Coordinate the systems design infrastructure for servers and virtualized environments, including but not limited to the operation, administration, maintenance, modification, testing, patching/updating, cyber security, troubleshooting and monitoring of the virtualized environments and the documenting of technical procedures and processes. Hands-on experience supporting, automating, and optimizing mission critical Infrastructure deployments via leveraging configuration management, CI/CD, automation and DevOps processes. Outstanding problem solving, analytical and decision making skills with proven ability to conceptualize solutions to challenging situations and implement practical, cost effective solutions. I also currently hold an active **Top Secret/SCI/CI** and **Security +** (Expires 10/16/2022).

Experience:

ECS Federal - Senior Systems/DevOps Engineer (05/2020 to Present):
As a Senior Systems/DevOps Engineer I am a team member managing and maintaining multiple network enclaves to support the DOD community providing support to a team developing, maintaining, creating, documenting, and installing network and enclave infrastructure for a broad range of AI/Client datasets, research objectives, applications, and programming requirements. I perform software installations and upgrades to operating systems and layered software packages and schedule installations and upgrades and maintain them in accordance with established IT policies and procedures which include monitoring and tuning the systems to achieve optimum performance levels. I also manage server access for multiple, simultaneous, external vendors i.e., Government, academia, and industry.

Job Requirements:

- Design and support data storage, standards, and structuring of large databases, specializing in database physical structure and functional capabilities, efficiency, security, back-up, and recovery specifications.
- Support multiple projects that are run on major cloud service providers (AWS, Microsoft Azure, Google Cloud Platform).
- Support and manage a hybrid cloud Client/AI Deployments infrastructure.(Ubuntu MAAS, Rancher, Ubunutu16.04/18.04/20.04, AWS, Azure, Vsphere6.7,Vrops7.5, Net App, Freeipa, Keycloak, AWX, Redhat Directory Server, Ansible Tower).
- Collaborate with Cloud Service Providers to design, implement, and maintain cutting edge customer solutions. (Rancher Kubernetes Orchestrator for docker containers, Nextcloud, Uyuni).
- Install, configure and deploying automation/ configuration software (Puppet, Chef, Ansible).
- Maintain a high-level understanding of Storage technologies, Patch management solutions, and System orchestration (Puppet, Ansible, CI/CD tools).
- A working understanding of programming and scripting languages (Python, Bash) and other DevOps technologies (Jenkins, Ansible, Docker, Nagios, Git, Kubernetes, Zabbix, Rancher).
- Drive processes improvements and design enhancements to automation and continuously improve all environments.
- Design and develop deployment automation, test automation infra, manage and support build server and processes, design dedicated monitoring dashboards, research and implement new pipe solutions and help speed up from idea --> development --> production cycles. (Ansible (pyVmomi), Terraform).
- Support a large virtualization environment built VMware vSphere, vCenter, vROPS, eSXI, KVM, AWS Cloud supporting Ubuntu, NetApp SAN, Symantec NetBackup, Redhat Satellite and RedHat/CentOS7/8 Linux.
- Support application tier architectures to include but not limited to relational databases(SQL, MySQL, PostgreSQL), load balancers (f5), and firewalls and security tools. (Fortinet, Juniper)
- Designs and implements application and web services along with Continuous Integration/Continuous Deployment (CI/CD) tooling for the client using MS Azure and related technologies.
- Hands-on implementation experience of Continuous Integration and Continuous Delivery in Azure DevOps (VSTS/TFS) and Jenkins.

Railhead Inc. - Fully Remote Senior Cyber Systems Engineer (04/2020 to Present):
As a Senior Cyber Systems Engineer remotely supporting NOAA's (National Oceanic and Atmospheric Administration) Cyber Security Center's System Administration Staff Team. I provide technical recommendations for system upgrades, technical refreshes, or new builds per requirements set by the Project Management staff or Team Lead. I act as a technical resource or lead for individual projects when his or her knowledge and experience meet the requirements of the project group or task. I also provide Disaster Recovery recommendations/support for a Primary and Secondary site configuration and documentation support for designs, implementations, configurations, knowledge base articles. I also support Virtual Infrastructure design, architecture, and implementation support with a primary focus on vCenter and NetApp.

Job Requirements:

- Designs, creates and manages multiple VMware environment to include virtual machine (VM) systems in high availability/disaster recovery configurations. Site Recovery Manager, vSphere Replication, vCenter Platform Services Controller, vRealize Operations Manager.
- Manage NetApp storage via Data Ontap Cluster Mode operating system utilizing NAS and SAN protocols such as CIFS, NFS, iSCSI and FCP.
- Configure and administer NetApp RAID groups, Aggregates and LUNs and vSphere vmfs datastores.
- Monitor NetApp and vCenter systems usage and set automated alert to trigger proactive response to minimize system downtime and keeps management informed on potential system deficiencies.
- Serves as a technical expert in the instantiation, sustainment and modification of a multi-site Data Center Near line and Tape Backup services and associated firmware, hardware and applications.
- Works with various vendors to install, upgrade, configure, administer, automate and optimize backup service architectures and associated software, providing a secure, reliable and highly available storage platform to Data Center customers and services.
- Troubleshoots problems, takes appropriate corrective action and/or interacts with IT staff or vendors in performing complex testing, support and troubleshooting functions.
- Manage and Maintain VMware vSphere server virtualization platform and provide technical subject matter expertise on business-critical systems.
- Automate building, configuring, patching/upgrading of severs in VMware environment using Ansible and configuration management using Ansible Tower.
- System Administration of all Linux, Windows, Unix, and VMware systems including but not limited to software installation, server monitoring, troubleshooting, patching, security scanning, automating repetitive tasks and log file analysis and CI/CD deployments.
- Automate building, configuring, patching/upgrading of severs in VMware environment using Ansible and configuration management using Ansible, Chef and Puppet.
- Solid hands-on ability with Linux, Docker, VMWare, Elasticsearch, ETCD, Kubernetes, Jenkins, Redis, Nexus, and Kafka as well as storage systems (e.g., NetApp, PureStorage) and hardware/networking (e.g., UCS, Cisco networking) resources within an operations/production environment.

Washington Technology Group - Senior Systems Integrator (02/2020 to 07/2020): (Contract lost funding)
As a member of the Washington Technology Group's engineering and integration team I establish functional and technical specifications and standards, solve hardware and software interface problems, define input / output parameters, and ensure integration of the entire systems or subsystem while working with other engineers, systems analysts, programmers, technicians, scientists and top-level managers in the design, testing, and evaluation of set systems. I also test and evaluate hardware and software to determine efficiency, reliability, and compatibility with existing system, and make purchase recommendations and provide frequent contact with customers, traceability within program documents, and the overall computing environment and architecture. I also research new technology, and implement it or recommend its implementation while also planing, coordinating and implementing network security measures to protect data, software, and hardware.

Job Requirements:

- Designs, creates and manages multiple VMware environment to include virtual machine (VM) systems in high availability/disaster recovery configurations. The systems include SANs, and applications running on Windows and Linux Servers in large scale Active Directory environment.
- System Administration of all Linux, Windows, Unix, and VMware systems including but not limited to software installation, server monitoring, troubleshooting, patching, security scanning, automating repetitive tasks and log file analysis and CI/CD deployments.
- Recommend changes to improve systems and network configurations, and determine hardware or software requirements related to such changes.

- Gather data pertaining to customer needs, and use the information to identify, predict, interpret, and evaluate system and network requirements.
- Analyze network devices and operating systems (Microsoft, Linux) for compliance with DISA STIG (Security Technical Implementation Guide) requirements.
- Collaborate with Cyber Security professionals to perform the security control assessments, determine residual security risks, prepare assessment test reports, prepare and assess test plans, and provide formal recommendations in support of authorization events.
- Experience with Model Based Product Support (MBPS) or its components Product Lifecycle Management (PLM), Supply Chain Management (SCM), Maintenance, Repair and Overhaul (MRO), Enterprise Resource Planning (ERP).
- Designs, configures, maintains, and supports deployment, integration and test, and development of interconnected Enterprise systems and applications for cyber and data security and assurance on Cloud and/or high performance computing platforms. Applications utilized, deployed, configured, and maintained will include HBSS, ACAS, NESSUS, SPLUNK, RSA Authentication Servers, YUM, WSUS, and/or equivalent/similar applications.
- Experience with classified device assessment and hardening using various information system security assessment/hardening tools - DISA STIGs, SCAP, ACAS, HBSS, Retina, Nessus, etc.
- Configuration Management – Application management software; Automated installation software; Patch and update management software; Systems and applications migration software.

Scientific Research Corporation - Senior Systems Engineer/Cyber (09/2019 to 02/2020): (Lost contract)
As a member of the engineering and sustainment team for the Shore Tactical Assured Command & Control (STACC at **COMSPAWAR**) in the role of Systems Engineer/Analyst (MS Windows/Linux). Coordinate the systems design of the STACC infrastructure server and VMware environment, including but not limited to the operation, administration, maintenance, modification, testing, patching/updating, troubleshooting and monitoring of the STACC environment and the documenting of technical procedures. Also responsible for supporting all aspects Technology Analysis and Assessment, Design Definition, Development of Systems Specification, Systems Analysis, Systems Architecture, Systems/Equipment Integration, Test & Evaluation Criteria, and Logistics support of C5ISR requirements within the STACC system MS Windows/Linux environment and all aspects of administration, maintenance, and management of Linux servers and workstations.

Job Requirements:

- Designs, creates and manages multiple VMware environment to include virtual machine (VM) systems in high availability/disaster recovery configurations. The systems include SANs, and applications running on Windows and Linux Servers in large scale Active Directory environment.
- System Administration of all Linux, Windows, Unix, and VMware systems including but not limited to software installation, server monitoring, troubleshooting, patching, security scanning, automating repetitive tasks and log file analysis and CI/CD deployments.
- Perform and adhere to Information Assurance (IA) policies and procedures in compliance with Defense Intelligence Security Agency (DISA), Security Technical Implementation Guides (STIGs)
- Applying operating system and software patches and upgrades for Linux servers and workstations.
- Analyze network devices and operating systems (Microsoft, Linux) for compliance with DISA STIG (Security Technical Implementation Guide) requirements.
- Automate building, configuring, patching/upgrading of severs in VMware environment using Ansible and configuration management using Ansible, Chef and Puppet.
- Operate and maintain COTS and GOTS Cybersecurity tools, (i.e., Nessus, HBSS, ACAS, IPS, IDS, and Security Onion).
- Documenting, communicating and implementing standardized processes and procedures for effective administration of Linux servers and workstations.
- Designs, configures, maintains, and supports deployment, integration and test, and development of interconnected Enterprise systems and applications for cyber and data security and assurance on Cloud and/or high performance computing platforms. Applications utilized, deployed, configured, and maintained will include HBSS, ACAS, NESSUS, SPLUNK, RSA Authentication Servers, YUM, WSUS, and/or equivalent/similar applications.
- Experience with classified device assessment and hardening using various information system security assessment/hardening tools - DISA STIGs, SCAP, ACAS, HBSS, Retina, Nessus, etc.
- Experience managing identity lifecycle management processes using FIM and Redhat's Identity Manager.

Dollar Tree Corporation - Senior Systems Engineer (01/2019 to 09/2019): (Temporary position to automate system administration tasks during a data center migration).

Coordinate the systems design of the Dollar Tree infrastructure server and VMware environment. Including but not limited to the operation, administration, maintenance, modification, testing, patching/updating, troubleshooting and monitoring of the Dollar Tree Corporate IT environment and the documenting of technical procedures. Hands-on experience supporting, automating, and optimizing mission critical deployments in the Dollar Tree Infrastructure, leveraging configuration management, CI/CD, and DevOps processes. Maintain a fast growing Linux and Windows virtualized and physical environment with a focus on automating administration tasks via Ansible, powershell and BASH (and Python) scripting. Support production deployment of Oracle, ESXI, vSphere,Rhel and Windows systems and testing systems as needed.

Job Requirements:

- Plan, schedule and implement the installation/configuration of infrastructure hardware, software and application software in a large scale VMware environment consisting of Linux, Windows, Oracle and AIX servers..
- System Administration of all Linux, Windows, Unix, and VMware systems including but not limited to software installation, server monitoring, troubleshooting, patching, security scanning, automating repetitive tasks and log file analysis and CI/CD deployments.
- Wrote Ansible playbooks to deploy, configure, and manage servers. Automated all daily, weekly and monthly scheduled backups, snapshots via Ansible, powershell scripting and Red hat Satellite (6.2-6.5).
- Perform the planning, coordination and installation, configuration, monitoring, patching and maintenance of a highly complex virtualized environment of mostly Microsoft and RHEL5/6/7/8 Server operating systems.
- Manage all vMware system resources. Including performance, availability, recover-ability and manage accounts, roles and rights in the VMware environment.
- Experienced with version control (Git) and Continuous Integration and Delivery via Ansible playbooks and roles and Ansible Tower.
- Automate building, configuring, patching/upgrading of severs in VMware environment using Ansible and configuration management using Ansible, Chef and Puppet.
- Automated build and deployment using Jenkins to reduce human error and speed up production processes.
- Experience with the application tier architectures to include but not limited to relational databases(SQL, MySQL, Postgresql), virtualization (KVM, Xen, VMware), load balancers (f5), and firewalls and security tools (Qualys).
- Experience using Amazon Web Services (S3, EC2, VPC, AWS CLI).

L3 Technologies- Regional Technical Specialist (01/2016 to 09/2019):
Coordinate network design and perform the installation of recommended network hardware and software, operation, maintenance, modification, testing, troubleshooting and repair of network and security systems of a highly complex nature. Travel to sites for extended periods of time to install, train, maintain and repair complex networks and related issues and provide 24/7 Tier 3 support for regional engineers.

Job Requirements:

- Design network solutions by evaluating the customer's network needs and providing a cost estimate on the requested network hardware, software and security related features.
- Extensive experience with System Administration of Linux, Windows, Unix systems and Database Management of SQL and PostgreSQL databases
- Perform network administrative duties to include design, installation, network admin, maintaining and coordinating services between myself and customers to meet their network needs.
- Perform system wide testing and certification of all products installed at customer's site to include all required documentation.
- Extensive experience with all Linux, Windows, Unix and VM server networks, clients, switches and network databases.
- Highly experienced knowledge of operating systems, including installation, configuring, maintenance, patching, hardening and repair.
- Architect Network by Evaluating Network Performance Issues - Availability / Utilization / Throughput / Latency.
- Plan / Execute Selection / Installation / Configuration / Testing of Equipment - Define Network Policies and Procedures / Establish Connections and Firewalls
- Maintain Network Performance - Network Monitoring / Analysis / Performance Tuning.
- Troubleshoot / Resolve Network Issues - Availability / Redundancy / Link Saturation / Remote Site Connectivity / Mobile Device Connection to LAN and WAN / Appropriate Issue Escalation.

L3 Communications- Senior Network Engineer (01/2012 to 01/2016):
As a senior network engineer I had 5 years of experience researching and recommending innovative or automated approaches for system administration tasks. Identify approaches that leverage our resources and provide economies of scale. Technical Administration: Install/configure/patch/upgrade assigned systems, System monitoring utilizing enterprise tools, Performance tuning/troubleshooting, Application support including application/web administration, Account management, Backup/recovery, Automation/scripting, Storage configuration (manage/allocate growth), Monitoring (events, logs, system health), Virtualization, and Clustering. Administer servers, routers, switches, firewalls, software deployment, security updates and patches and Troubleshoot problems reported by users and analyze and isolate issues.

Job Requirements:

- Lead engineer responsible for Network Design and Implementation, Network Troubleshooting, Network Hardware configuration, Network performance monitoring.
- Experienced with infrastructure protocols (BGP, OSPF, ISIS, VRRP, DHCP, TCP, UDP), IP addressing (IPv6), and application protocols (DNS, SMTP, HTTP, etc.)
- Perform network administrative duties to include design, installation, network admin, maintaining and coordinating services between myself and customers to meet their network needs.
- Design and deploy networks; Maintain network servers such as file servers, and VPN gateways.
- Highly experienced with working in a strict IT security governance environment for the DHS as a government contractor.
- Perform large network backups and file and management services through scripting and automation.
- Secure Network by Developing Network Access / Monitoring / Control / Evaluation / Maintain Documentation.
- Extensive commercial Scripting experience (e.g. Bash, Python or Perl and Ansible).
- Experience with Secure CRT and Putty to manager Cisco routers and switches including Cisco Routers and switches.
- Provide Interface with other Service Providers (F5, Cisco, AT&T, telecom, network, application support, etc.) for status and/or escalations for incidents to Tier II, Tier III.
- System integration experience in system integration, test, debug of COTS/GOTS systems.

Mid Atlantic Area Supervisor at L-3 Communications/ Regional Technical Specialist/ Senior Field Service Technician (01/2011 to 01/2012):
Under director level guidance, supervise a team of eight field network engineers over the Mid-Atlantic region to provide network solutions and support to the DHS and TSA respectively. Responsible for developing proposals and cost analysis for secured networks and then manage the installation, maintenance and billing. Prepare all required documentation including network tests, installation procedures and quality assurance documentation. Schedule engineering resources for all sites in the Mid Atlantic area.

Job Requirements:

- Conduct technical analysis of product implementations, modifications and enhancements to product in accordance with specific customer specifications and implementations.
- Troubleshoots technical problems and issues and determine technical solutions in accordance with product and customer specifications. The recommend actions to company or customer representatives for a coordinated product solution.
- Assess product needs in accordance with contract specifications.
- Conducts technical training and product briefing with customers, vendors and company representatives and acts as local onsite representative.
- Provide work leadership and train lower level employees. Act as a coach and mentor to my regional network engineers.
- Visit and interview customers for feedback on how to continuously improve the customer service function.
- Ensure the proper training of field service network engineers regarding the installation, service, use and maintenance of all network equipment.

Senior Field Service Technician L-3 Communications (01/2006 to 01/2011):
As a Senior Field Service Engineer at L-3 Communications I was responsible for installing, maintaining, troubleshooting and servicing X-Ray and CT based security systems at multiple Mid Atlantic Area Sites and Government test centers. Trained and certified in multiple X-Ray and CT systems such as the Examiner, Provision, XLB, and LX5.3.

Job Requirements:

- Coordinate support at multiple for installing, calibrating, maintaining, testing and troubleshooting/repairs of X-Ray CT based security systems.
- Responsible for ordering, tracking and replacement of repair parts.
- Troubleshooting and diagnosing system and equipment issues.
- Experienced in various types of electronic test equipment such as signal generators, multi meters, power meters and oscilloscopes.
- Provide work leadership and train lower level employees. Act as a coach and mentor to my regional network engineers.
- Visit and interview customers for feedback on how to continuously improve the customer service function.
- L3 Communications trained and certified across multiple security and detection product lines.

US NAVY SPY 1/A Radar Technician (01/2000 to 01/2006):
Performed alignments, tuning and adjustments of equipment to maintain maximum operating efficiency. Repaired Electrical and Radio Electronic systems and components using industry standard test equipment. Demonstrated an ability to perform electronic alignments, adjustment procedures, calibration and quality control per military specs. Possess the ability to read and interpret schematics, block diagrams and also proficient in the use of various types of electronic test equipment and hand tools. Two years of this time was spent as the Work Center Supervisor and was responsible for coordinating and controlling all maintenance actions on electronic equipment.

Job Requirements:

- Performed troubleshooting down to component level on SPY1-A equipment modules and experienced using the Operational Readiness and Test System (ORTS).
- Completed adjustments and tuning that consisted of Tunable filter (UHF), Adjust Quad, Buffer Amplifier/Multiplier test, Level Adjust, AGC,
- Squelch, mixer multiplier, IF, AF pre-amplifier, audio main adjust, Compression level, Signal Noise to noise ratio.
- Coordinated and controlled the maintenance actions of 7 Technicians for ship board anti-missile defense SPY-1A Radar equipment.
- Conducted technical training and wrote performance evaluations.
- Compiled critical mission updates, unit personnel and force accountability, strength reports and mission data for review by the squadron commander through access databases, slideshows and verbal briefings.
- US Navy 2M and 3M experienced.

Educational Details
- Bachelor of Science & Applied Technologies
  Electronic Engineering
  Thomas Edison State College
  Trenton, NJ
  2007 - 2010
- Associates Degree
  Business Management
  Johnson & Wales University
  Charleston, SC
  1997 - 2000
- US NAVY, Aegis Training Center/ SPY-1A
  Emphasis in digital and electronic system operation
  Dahlgren, VA
  2000 – 2001
- US NAVY, Fire Control man, Class A school
  Radar Physics and Fundamentals
  Great Lakes, IL
  2000 - 2000
- US NAVY, Advanced Electronics Tech Core
  Digital Electronics and Servos
  Great Lakes, IL
  2000 – 2000

Continued ongoing Education:
- Linux Academy www.linuxacademy.com

- Pluralsight www.pluralsight.com