Joshua A. Roche

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## **Objectives**

I am a focused and diligent professional with 20 years of active military experience seeking a position in the fields of telecommunications and information technology to utilize my knowledge and experience.

## **Education**

Bachelor of Science in Computer Science 2018 to 2021

University of Maryland, Global Campus Adelphi, MD

## **Professional Summary**

**Tier II AWS Systems Administrator** Superlative Technologies, Inc.

Vaihingen, Baden-Wuerttemburg, DE September 2021 to Present

* Utilized Amazon Web Services (AWS) to build virtual machines, add storage, configure network adapters, and view performance metrics in a virtualized environment
* Created PKI certificates and Java keystores for TLS connectivity to keep connections secure between system components and user endpoints
* Built a centralized authentication system using LDAP, NSS, and SSSD to ensure security and accountability for EC2 instances
* Automated the hardening of host systems for compliance with DISA STIG using SCAP tools and AWS System Manager components in order to meet Department of Defense Security Guidance
* Provided Tier II user support for DoD Global Video Services 2 (GVS2) platform resolving customer issues and maintaining system readiness
* Knowledge of AWS CloudWatch, RDS, EFS, EC2, VDS
* Managed RHEL hosts, Apache Tomcat application servers, NGINX web servers
* Amazon Web Services cloud infrastructure operation, maintenance, and troubleshooting
* On-Premises Classified infrastructure operation, maintenance, and troubleshooting
* Provide system updates, patching, demand maintenance, change request support, and automation for CI/CD of GVS2 Platform
* Created and updated operational, technical, user documentation

**SATCOM Operations NCO** (US Army) 44th Expeditionary Signal Battalion

Baumholder, Rheinland-Pfalz, DE February 2018 to September 2021

* Manage MILSATCOM and DISA network access for military tactical systems.
* SME for RF Transmissions Systems utilized in SHF (X, Ku, Ka band) and EHF frequencies
* Network Infrastructure Management and Troubleshooting
* Virtual Infrastructure (VMware vSphere 6.0) Administration and Troubleshooting
* Cisco Unified Communications Manager (v10.5) Administration and Troubleshooting

**Instructor/Writer for 25S Advanced Individual Training** (US Army) TRADOC, 15th Signal Brigade

Fort Gordon, GA January 2015 to February 2018

* Instructed over 230 Soldiers on MILSATCOM and Networking Systems providing knowledgeable communications technicians to the US Army
* Developed and updated the training content and curriculum of the MOS 25S Satellite Communications Operator/Maintainer course to stay up to date with current and emerging technology
* Configured and maintained an iDirect 12200 satellite modem subsystem used for instruction
* Trained fellow instructors on the operation and design of the iDirect 12200 satellite modem subsystem

**SATCOM Maintenance NCO** (US Army) 333rd Signal Company

Fort Buckner, Okinawa, Japan September 2012 to January 2015

* Configured, repaired, and maintained 2 AN/GSC-39C MILSATCOM X-band terminals, 2 Ku-band terminals, 2 C-band terminals, 2 UHF terminals, and 3 US Navy EHF terminals providing secure communications for Department of Defense customers throughout the Pacific theater
* Configured and maintained 3 iDirect 15500 satellite modem subsystems
* Configured and maintained 2 Viasat Linkway S2 satellite modem system
* Configured, maintained, and accounted for cryptographic systems to ensure communications security for DoD users

**Information Management Officer** (US Army) G33 Current Operations, Eighth US Army (EUSA)

USAG-Yongsan, Seoul, South Korea September 2011 to September 2012

* Installed, configured, and maintained operation of the Combined Operations and Intelligence Center (COIC) for the EUSA Special General Staff to conduct combat training operations with multinational forces in the Korean Peninsula
* Maintained 25 Active Directory user accounts across NIPR, SIPR, and CENTRIXS-K enclaves
* Repaired and maintained automation and Army Battle Command Systems (ABCS) for use during training and garrison operations

## **Professional Certifications**

* CompTIA Security+ CE (30 August 2019)
* CompTIA Cloud+ (3 October 2020)
* AWS Certified Cloud Practitioner (21 November 2020)

**Skills Summary**

* Windows/Red Hat Enterprise Linux (RHEL) Server Administration
* VMware ESXi/vSphere/vCenter Hypervisor Operating Systems
* Dell PowerEdge R420/420xr Servers
* Military Satellite Communications (MILSATCOM) tactical and strategic terminals
* Configuration of Cisco Routers, Switches, Unified Communications Manager to include Cisco IOS 16, 4400 series Integrated Services Routers (ISR), and virtual Cloud Services Router (CSR) 1000v
* Knowledge of Defense Information Systems Administration (DISA) network architecture across Non-Secure Internet Protocol (NIPR), Secure Internet Protocol (SIPR), and Combined Enterprise Regional Information Exchange System (CENTRIXS) enclaves
* Management of DoD High Assurance Internet Protocol Encryptor (HAIPE) cryptographic systems: KG-250X, KG-175D, KIV-7M, SKL