

Joshua Barros

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IT Enthusiast with Hands-On Technical Experience in Communications Systems and IT Troubleshooting

Currently pursuing a degree in Cybersecurity with a focus on military, security operations, and cybersecurity interests. Holds an active Secret security clearance.

Work Experience

Radio Operator, 0621 (USMCR) Currently Present

- Operate and maintain critical communications systems (HF, VHF, UHF, Satellite Communications)
- Troubleshoot network/radio failures; implement cybersecurity protocols.
- Set up antennas, configure Ethernet wiring, and maintain Harris equipment.
- Completed MarineNet coursework in Microsoft Word, Excel, and PowerPoint for digital proficiency

Cable Technician/Cable Escort, Super Systems Inc. Currently Present

- Install, splice, and test 24-strand Corning fiber using Fujikura 70S and Fluke Versiv 2 OTDR
- Terminate and label VoIP and data runs; trace and repair faults using toner kits and diagnostic tools
- Set up grounding racks, fiber trays, and patch panels to meet safety and inspection standards
- Operate within secure DoD facilities under active Secret clearance; enforce NISPOM and Insider-Threat protocols
- Execute work orders to restore damaged fiber, reroute drops, or identify endpoints in communication closets
- Maintain redline drawings to reflect field changes; coordinate updates through team briefs and client reporting

Security Supervisor (AUS) March 2023-March 2024

- Oversaw facility access control using automated gate systems and surveillance software
- Created Excel-based tools to automate visitor authorization and monitor security logs

Technical Skills

- Fiber Optics: Fujikura splicing, Fluke OTDR, QuickClean tools, VoIP jacks, UniCam connectors
- Cable Testing: Ethernet tracing, toner/probe kits, patch panel mapping, labelling
- Comms Systems: HF/VHF/UHF/SATCOM, Harris radios, SCIF operations, redline documentation
- Cybersecurity: NISPOM compliance, Insider Threat response, TEMPEST awareness
- Linux & Scripting: Ubuntu/Kali (via WSL), Python, Marinenet coursework
- Remote Access & Virtualization: RustDesk, Tailscale, SSH, RDP, Docker, Windows VM

Home lab

- WSL & Docker Lab: Built a cross-platform cybersecurity lab on Windows with Kali/Ubuntu and Docker
- RustDesk Deployment: Configured self-hosted secure remote access via Docker on Linode VPS
- Python Automation: Created scripts for system monitoring and personal automation tasks
- Kali Linux Pen Testing: Practiced penetration testing within isolated home network environments
- Windows VM Analysis: Used for malware and cybersecurity tool testing
- Flipper Zero Experiments: Created and tested scripts for educational purposes

Certifications

- Java Certification
- CompTIA Security+
- Joint Anti-Terrorism Level 1 (USMC)
- Cyber Awareness & Insider Threat (DoD)

Education

Computer Science Transfer

Honors: Joshua Barros (GPA: 3.7/4.0), Currently Attending

Massasoit Community College, Middleboro, MA

Focus: Cybersecurity, cabling, Networking