

Kyle D. Spicer

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Senior Software Engineer | Cyber Capabilities Developer | Active TS/SCI Clearance

Professional Summary

Senior Software Engineer and Chief Warrant Officer (170D) delivering mission-critical cyber capabilities for U.S. Cyber Command and joint forces. Experienced across Windows and Unix/Linux environments, specializing in Windows internals, reverse engineering, and security-focused software engineering using C/C++, Python, x86/x64 assembly, and Git-based CI/CD workflows. Proven leader partnering with stakeholders, improving release quality, and translating mission requirements into operational capabilities.

Professional Experience

Section Lead (Windows Persistence)

November 2025 – Present

Capabilities Solutions Development - Georgia (CSD-G), 780th MI Brigade

- Lead Windows endpoint capability development team supporting operational mission requirements
- Direct design, implementation, and validation of system-level Windows capabilities for operational use
- Oversee mission software lifecycle including development, testing, and operational release
- Coordinate cross-functional engineering efforts across cyber capability development teams
- Mentor junior Cyber Capabilities Developers (CCDs) in Windows internals, debugging, reverse engineering, and secure development practices

Cyber Capabilities Developer (CCD)

November 2023 – November 2025

CSD-G, 780th MI Brigade

- Developed Windows-based cyber capabilities supporting operational mission requirements
- Performed Windows internals analysis and reverse engineering
- Built security-focused tooling aligned with operational and platform constraints
- Improved reliability through structured testing, debugging, and validation
- Participated in peer reviews and mission integration testing

Education

Master of Science in Computer Science, *Artificial Intelligence*

Expected May 2028

Georgia Institute of Technology, Atlanta, GA

Bachelor of Science in Computer Science, *Software Engineering (3.96 GPA)*

June 2025

Colorado Technical University, Colorado Springs, CO

Training & Certificates

- **Senior Windows Cyber Capabilities Developer**, *USCYBERCOM JQR*, June 2025
- **Advanced Windows CNO Programmer Course**, ManTech ACTP, November 2024
- **Advanced Certified ScrumMaster (A-CSM)**, *ScrumAlliance*, April 2024
- **Basic Cyber Capabilities Developer**, *USCYBERCOM JQR*, November 2023

Skills

- C • C++ • Python • x86/x64 Assembly • Windows • Linux • Virtualization (VMware, Proxmox)
- Reverse Engineering • WinDbg • Ghidra • Vulnerability Research • Binary Exploitation
- Git • GitLab CI/CD • Visual Studio • Debugging • Security-Focused Software Engineering