**Maria Bowser**   
 Software/Reverse Engineer [m.sbk@icloud.com](mailto:m.sbk@icloud.com) Northern VA, non-remote OK

**Professional Summary:**

Possess 5+ years of demonstrated experience at increasingly responsible levels serving as the forefront of Agile Methodology, Cybersecurity and High-Security Software Engineering in support of the Intelligence Community. Experience in delivering digital transformation and innovation in cloud, regular and secured environments.

Transitioned to a reverse engineering capacity leveraging current experience to diversify skill set in support of the mission. Capture the flag competition winner at in- house Cybersecurity Software Engineering training course. Customers include NGA, the Westfield customer both co-located on-site with the customer; contractor facility.

**Security Clearance:** TS/SCI with CI poly

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| Skills:  |  |  | | --- | --- | | Software Development, Reverse Engineering, UX and UI, Python, C, Java, JS, HTML, CSS, Go Ghidra, Valgrind, gdb, gcc, Linux, Bash scripting, Networking, Cybersecurity, OSINT, Wireshark, Russian, Japanese, Communications, Computer Networking. |  | |  |  |  Professional Experience:Reverse Engineer and Vulnerability Researcher | Verite Group IncDulles, VA | July 2024 – October 2024Led reverse engineering arm of the cyber operations team. Utilized Ghidra, Valgrind, Bash scripting, gdb and gcc as well as networking tools to curate a toolchain to identify crucial vulnerabilities and enumerate surfaces in fields of mesh architecture, distributed systems, and embedded systems.Automated the decompilation of statically linked binaries, enabling headless extraction of vulnerable operations from deeply nested layers of code. Developed Python automation scripts for large-scale binary decompilation and analysis, as well as Bash scripts to facilitate vulnerability assessments in distributed architecture software. Delivered enterprise-level solutions for the operations team in air-gapped environments, managing fast-paced, day-to-day operations. Brought advanced software and linguistic expertise to the cyber landscape.Deloitte GPS | Software Engineering ConsultantDC Metropolitan Area | Jun 2021 – Jun 2024Full-stack software development in enterprise air-gapped environments, software optimization reducing processing speed by 700%. Low-level software optimization providing custom programs to 100+ end users. Developed command and control server with CLI in Python for Red Team operations.Designed and implemented custom modular CSS/JS/HTML for cybersecurity web app operations. Led high-side development for Cyber Business and Operations team. Network intrusion detection using Wireshark. Performed reverse engineering on various software to identify vulnerabilities and improve system security. OSINT capture the flag competition winner (Oct 2023)PioneerTech | Software Engineer (Backend)Fairfax, VA | Jan 2021 - Jun 2021Full-stack Java Enterprise development for high-security Oracle projects. Enhanced software reliability through modernization of legacy frameworks and database debugging. Primarily backend SLDC agile environment. Led digital transformation of legacy systems for security improvement.Concept Plus | Software Engineer (Java)Fairfax, VA | Mar 2020 - Aug 2020 (lost contract)Developed software for the DOEHRS-HC contract supporting DoD personnel health readiness. Managed full stack database backend integration and service layer mechanics. Conducted daily sprints in Agile software development for debugging and enhancements.Udacity- Full Stack boot camp. Jun 2019-Mar 2020Perspecta Inc | System EngineerChantilly, VA | summer 2018, Jan 2019 - Jun 2019 (left to continue studies in software engineering)Infinihash- Blockchain developer 2017- 2018Education and Professional Development:Virginia Tech, College of Math & Science. Blacksburg, VA **B.A. in Economics (Concentration in Computer Science) & Minor in Statistics | Dec 2018**  Scholarship recipient freshman year. Japanese Immersion Fairfax County (12 yrs) Russian (6+ years)  **Cybersecurity Software Engineering**, Deloitte- October 2023  **Full Stack boot camp- Udacity**  **CompTIA Security +**     |  | | --- | |  | |