Maria Bowser

TS/SCI Software / Reverse Engineer  
Northern VA  
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# Skills

* Software Engineering
* Reverse Engineering
* Web Development
* Python, C, Java, JavaScript, HTML, CSS, Rust
* Linux
* Russian, Japanese
* UX / UI Design
* Test Driven Development
* Agile/Scrum
* Git
* Networking
* Splunk
* Wireshark
* Optimization and automation
* Computer Systems

# Employment Experience

## Reverse Engineer | Verite Group Inc

Dulles, VA | 2024 - Present

* Led reverse engineering efforts for CNO Operational team.
* Automated static and dynamic vulnerability analysis for next-gen software.
* Used Ghidra, Valgrind, Bash scripting, and networking tools to identify vulnerabilities.
* Developed Python automation scripts for large-scale decompilation and analysis.
* Provided enterprise-level solutions in air-gapped environments.

## Software Engineering Consultant | Deloitte

DC Metropolitan Area | Jun 2021 - May 2024

* Full-stack software development in air-gapped environments.
* Optimized software, reducing processing time by 700%.
* Developed command-and-control servers for Red Team operations.
* Led high-side development for Cyber Business and Operations team.
* Network intrusion detection with Wireshark.
* Won company-wide OSINT Capture the Flag competition.

## Software Engineer (Backend) | PioneerTech

Fairfax, VA | Jan 2021 - Jun 2021

* Full-stack Java Enterprise development.
* Modernized legacy frameworks and debugged databases.
* Led digital transformation of legacy systems for improved security.

## Software Engineer (Java) | Concept Plus

Fairfax, VA | Mar 2020 - Aug 2020

* Developed software for the DOEHRS-HC contract.
* Managed backend integration and service layer mechanics.
* Conducted daily sprints in Agile software development.

## System Engineer | Perspecta Inc

Chantilly, VA | Jan 2019 - Jun 2019

* Engineered data solutions using mobile time-location data.
* Researched digital footprint for activity-based intelligence.
* Integrated blockchain for healthcare data management.

# Education

Virginia Tech College of Math & Science  
B.A. in Economics (Concentration in Computer Science) & Minor in Statistics  
2013 - 2018