

William Cabell • Senior Software Engineer

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Senior software engineer and cybersecurity professional seeking both remote and in-person roles solving hard, open-ended problems and leading in innovation.

Skills

Full-stack software engineering, DevOps, cryptography, information, network, and application security, pure and applied mathematics, data analysis, communication, problem solving, leadership.

Tools, Technologies, & Languages

AWS, bash/sh/zsh, C, C#, DigitalOcean, DNS, Docker, Docker Compose, firewalls, Flask, Git, GitHub, GNU/Linux, Golang, HTML/CSS, Java, JavaScript, Jenkins, MongoDB, Nmap, Node.js, PKI, Postgres, Python, Rust, Snowflake, Terraform, TLS, uWSGI, Vue.js, Wireshark, X.509.

Certifications

Certified Ethical Hacker, AWS Solutions Architect - Associate.

Experience

Senior Software Engineer, Capital One

May 2024–Present: Cyber Intelligence Engineering

- ✧ Led development of configurable, extensible, multi-region, multi-vendor ETL platform, revolutionizing Capital One's cyber intelligence data pipeline
- ✧ Developed and led development of multiple brand defense systems to identify, analyze, and nullify phishing threats to the general public

Senior Software Engineer, Capital One

January 2023–May 2024: Cyber Engineering: CryptoServices

- ✧ Led Post-Quantum Cryptography (PQC) working group to monitor industry developments
- ✧ Crafted data analysis for CISO to inform enterprise TLS certificate automation and management
- ✧ Refactored enterprise scanning application to improve network coverage by 10,000%

Software Engineer, Capital One

January 2022–January 2023: Cyber Engineering: CryptoServices

- ✧ Gave seminars on cryptographic algorithms and implementations across cybersecurity department
- ✧ Won elected position to represent new-grad rotational program of over 1,000 employees, met regularly with HR and executives to influence program direction

Associate Software Engineer, Capital One

August 2020–January 2022: Cyber Engineering: Endpoint & DLP, CryptoServices

Data Engineering Intern, Capital One; Summer 2019

Software Development Intern, PIEtech, Inc.; Summer 2018

Education

Virginia Tech, 2017–2020. Bachelor of Science in Mathematics with a concentration in Applied Discrete Mathematics and a minor in Computer Science; GPA 3.6; President of math club, SailBOT ECE subteam lead. University of Malta, Exchange student, January–June 2020.