William Cabell | Senior Software Engineer
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Extroverted, multi-skilled senior software engineer, mathematician, and cybersecurity professional seeking both remote and in-person roles that offer opportunities for creative problem solving, leadership, and the opportunity to drive innovation.

Skills

- ∩ Communication
- ∩ Problem solving
- ∩ Decision making
- ∩ Leadership

- ∩ Full-stack software engineering
- ∩ Cryptography
- ∩ Information, network, and application security
- ∩ Pure and applied mathematics

Tools, Technologies, & Languages

AWS, C, C#, DigitalOcean, DNS, Docker, Flask, Git, GNU/Linux, Golang, Java, JavaScript, Jenkins, Nmap, PKI, Python, Rust, Snowflake, Terraform, Vue.js, Wireshark.

Certifications

Certified Ethical Hacker; AWS Solutions Architect—Associate.

Experience

Senior Software Engineer, Capital One
January 2023–Present: Cyber Engineering, CryptoServices
- ∩ Led Post-Quantum Cryptography (PQC) working group to determine enterprise PQC strategy
- ∩ Provided data to CISO to inform enterprise TLS certificate automation strategy
- ∩ Refactored complex 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
- ∩ Architected and built highly resilient, multi-layer, serverless API to support HSM service
- ∩ 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
- ∩ Pioneered a new data aggregation platform for real-time enterprise monitoring of cybersecurity standards compliance

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.