Dawensly Francois

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SUMMARY

Information Science student at the University of Maryland and CompTIA Security+ certified, with hands-on experience across IT support, network administration, and AWS cloud infrastructure. Combines day-to-day troubleshooting in a university engineering environment with self-directed security projects built on least-privilege access, network isolation, and host hardening. Looking for an internship to apply and deepen these skills in a production security or engineering environment.

EDUCATION

University of Maryland, College Park | *B.S., Information Science* | *Expected May 2029*
- Cybersecurity Club Member
- Coursework: STAT100 (data analysis in Python), INST327 (SQL; semester database project in progress), CMSC131 & CMSC132 (Object-Oriented Programming in Java)

Frederick Community College (dual enrollment) | *Cisco 2: Switching, Routing, and Wireless Essentials; Computer Security; Object-Oriented Programming*

Frederick County Career and Technology Center | *Technical Training in Information Technology, Computer Networking, and Cybersecurity | May 2025*

EXPERIENCE

Service Desk Technician | *University of Maryland, Engineering IT | Feb 2026 – Present*
- Triage tickets across software, hardware, and networking issues, escalating complex cases to engineering subject matter experts
- Manage multiple simultaneous technical tasks in a high-volume university environment, using Slack for cross-departmental communication and testing coordination

Technology & Operations Coordinator | *Family Home Maintenance LLC, Frederick, MD | Jan 2025 – Present*
- Wrote Google Apps Script automation that ingests commercial inspection data and generates standardized documentation
- Track timelines and deliverables for a 108-unit project using Excel and SaaS tools, and support client dispatching

IT Specialist Student | *Career and Technology Center, Frederick, MD | Aug 2023 – May 2025*
- Configured local area networks and applied updates across firewalls, ports, and core protocols
- Practiced security controls aligned with standard compliance frameworks in virtualized environments

PROJECTS

AWS Honeypot (In Progress) | *EC2, VPC, IAM, Cowrie, CloudWatch, Lambda, DynamoDB*
- Deploying a Cowrie SSH and Telnet honeypot on EC2 inside a dedicated VPC with no route to other account resources, to capture and analyze automated brute-force attacks
- Hardened the host before exposure: IMDSv2 required, Elastic IP, admin SSH moved to port 22022 after debugging a systemd socket-activation issue, security group limited to one IP during testing, and a billing alert
- Designing a CloudWatch, Lambda, and DynamoDB pipeline with least-privilege IAM roles to store and analyze session data

3rd Place of 20 Teams, ICR Inc. Capture the Flag | *University of Maryland | Wireshark, Binary Exploitation*
- Placed 3rd of 20 teams in a 24-hour competition, working with a team on offensive and defensive challenges
- Analyzed network traffic in Wireshark and investigated binary exploitation challenges to capture flags

Serverless Cloud Portfolio | *AWS S3, CloudFront, Route 53*
- Deployed a static website on S3 served globally through CloudFront, using resource policies to enforce secure access

CERTIFICATIONS & SKILLS

Certifications: CompTIA Security+ (2025) | CompTIA A+ (2024) | Certiport IT Specialist – Java (2025) | AWS Certified Solutions Architect – Associate (In Progress)
Security: Wireshark, Cowrie, network traffic analysis, vulnerability assessment, IAM and least privilege
Cloud & Systems: AWS (EC2, VPC, IAM, S3, CloudFront, Route 53, CloudWatch, Lambda, DynamoDB), Windows, Linux, VMware, VirtualBox
Networking: Cisco switching, routing, and wireless; LAN configuration; firewalls and ports
Languages & Tools: Python, Java, SQL (coursework), JavaScript, Google Apps Script, Excel, Slack