

Jeray Neely-Speaks

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Summary

Software Engineer and Cybersecurity Analyst skilled in building **secure backend systems, cloud automation tools, and data pipelines**. Experienced in **Java, Python, SQL, and cloud security**, delivering scalable, reliable, and compliant enterprise solutions.

Education

Shippensburg University
M.S. Computer Science

Dec. 2024

Shippensburg University
B.S. Software Engineering

May. 2023

Work Experience

Wright Guard Cyber Security Solutions

Cybersecurity Software Engineer

Apr. 2025 – Present

- Engineered a **Java automation system** that streamlined deployment troubleshooting and reduced client downtime by **40%**.
- Developed an **AI phishing detection tool** in Java processing 1M+ URLs daily with **85% accuracy**, cutting analyst review time by **20%**.
- Built a **Flask + SQL log analysis dashboard** handling 50,000+ daily entries to improve threat visibility and accelerate incident response by **30%**.
- Led vulnerability monitoring and remediation efforts, strengthening client security posture and compliance readiness across all systems.

Jusb Solutions

Cybersecurity Analyst Apprentice

Jan. 2025 – Apr. 2025

- Automated workflows with **Python**, including a password generator that improved internal credential security.
- Provided responsive **help desk support**, resolving technical issues and boosting client productivity.
- Developed **Python and Bash automation scripts** to parse and structure SOC log data for analytics and reporting.

Shippensburg University

Database & Application Developer

Aug. 2023 – Dec. 2024

- Designed and maintained **ETL pipelines and database schemas** with SQL and Bash supporting **7,000+ users** across university systems.
- Automated SQL workflows to reduce manual processing by **20%**, saving over **5 hours weekly**.
- Migrated databases to the PASSHE cloud platform with zero data loss and complete governance compliance.
- Collaborated in an **Agile environment** with senior engineers to refactor backend logic and improve scalability by **15%**.

Projects

Python & Flask Log Analyzer | Security Data Pipeline

Aug. 2025

- Developed a **Flask dashboard** with SQL backend to process 50,000+ logs daily, enabling real-time security monitoring for **7,000+ users**.

AI Phishing Detection Tool | Java & Machine Learning

Aug. 2025

- Created an **AI Java application** classifying phishing URLs with **85% accuracy**, reducing analyst workload by **20%**.

Technical Skills

Programming: Java, Python, SQL, Bash, C, C#

Frameworks & Tools: Flask, Spring Boot, REST APIs, Git/GitHub, CI/CD, Docker

Cloud Platforms: AWS (EC2, S3, RDS), Azure (SC-900 in progress)

Databases: Oracle, MySQL, ETL Pipelines, Cloud Migrations

Security: Vulnerability Scanning, SIEM, Secure Coding, Network Monitoring

Certifications: Microsoft Azure Fundamentals (SC-900) – In Progress, CompTIA Security+ – In Progress