Micah Swindell

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WORK EXPERIENCE

Programmer Analyst
June 2023 – Present

Escambia County Public Schools   *Pensacola, FL*

- Developed and maintained PowerBI dashboards to enhance the visibility of student performance metrics for the superintendent and other administration.
- Automated data processing using C# and Python, increasing efficiency, data integrity, and significantly reducing manual workload.
- Led a data integration project for a warehouse inventory scanning system, streamlining data access and analysis across IT platforms.
- Conducted quality assurance on data outputs, ensuring accuracy and reliability in reporting processes.

Database Developer
May 2021 – June 2023

Escambia County Public Schools   *Pensacola, FL*

- Designed and maintained databases to handle student data, ensuring data integrity and optimizing query performance.
- Developed over 400 SQL reports to provide actionable insights for educational staff, enhancing data-driven decision-making within the district.
- Analyzed and improved existing database processes, leading to increased efficiency in data retrieval and reporting times.

IT Intern
Aug 2019 – May 2021

Escambia County Public Schools   *Pensacola, FL*

- Wrote Python and Java programs to automate data parsing from Google APIs, improving the organization and accessibility of student testing data.
- Assisted in the integration of new IT solutions, enhancing overall data management and reporting capabilities.
- Created comprehensive documentation of IT processes and data workflows, facilitating smoother transitions for future IT projects.

EDUCATION

University of West Florida

Bachelor of Science in Cybersecurity   *Pensacola, FL*

PROJECTS/COMPETITIONS

NCAE Cyber Games | *CTF, Linux Admin, Incident Response, Cryptography*
- Led the CTF group of our team, where we completed more CTF challenges than any other school. We won 1st place in the southeast to move on to the national finals. In the finals, I was elected by my team to compete in a special sector of the competition to actively play defense on a Linux machine from attacking scripts.

Study Buddy | *Postgres, Web Servers, Database Development, Firewall Config*
- As the security manager of this project I created and hosted the Postgres database that the site used to store user data

Javascryption | *Java, Git, Software Development, SDLC*
- With a group of other students we recreated the popular deck-building game 'Inscryption' in Java through an agile software development life-cycle.

CERTIFICATIONS

CompTIA Security+

SKILLS

Languages: Java, C#, Python, C/C++, SQL (Postgres), R
Network Security: SIEM, Splunk, Firewall Configuration
Penetration Testing: Kali Linux, Metasploit
Security: Risk Assessment, Incident Response, Malware Analysis, Cryptography
Other: Database Development, Linux Administration, PowerBI, Data Analysis