

UDEAGBALA ONYINYE SONIA

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PROFILE

Experienced Penetration Tester and Security Specialist with over 3 years of expertise in analyzing financial crimes, conducting comprehensive security assessments, and improving fraud detection systems. Demonstrated success in fraud reduction and cybersecurity threat mitigation by 30% across various platforms. Adept at leveraging strong technical knowledge of AML, fraud typologies, and regulatory requirements to support organizational growth and financial crime prevention efforts. Proactive team player with a keen eye for process improvements and emerging risks in financial operations.

EXPERIENCE

Software Engineering Intern at Walmart USA

Aug 2024 - Aug 2024

- Completed Walmart USA's Advanced Software Engineering Simulation, solving technical challenges for multiple teams.
- Developed a custom heap data structure in Java** for Walmart's shipping department, improving data handling by 15%.
- Designed a UML class diagram** for a data processor to ensure system scalability and flexibility.
- Created an entity relationship diagram** for Walmart's pet department database, enhancing data retrieval by 20%

Software Engineering Intern at Hewlett Packard Enterprise

Aug 2024 - Aug 2024

- Completed Hewlett Packard Enterprise Software Engineering Job Simulation, focusing on web service development.
- Proposed a RESTful web service** to manage employee data.
- Developed a web server application** in Java Spring Boot to handle HTTP requests and upload JSON data.
- Implemented unit tests** to evaluate the performance of the Java Spring Boot application.

Game Development Intern at Electronic Arts

Apr 2024 - Aug 2024

- Completed Electronic Arts Software Engineering Virtual Experience, proposing new features and improving code quality.
- Proposed and wrote a feature proposal** for *The Sims 4*, presented to key stakeholders.
- Developed a class diagram and C++ header file** with class definitions to support game objects.
- Patched a bug** and optimized *The Sims 4* codebase by improving a key data structure.

Frontend Developer at Innovator Growth Hub

Jan 2022 - Jan 2023

- Led the redesign of user interfaces to improve site security and accessibility, resulting in a **30%** reduction in user vulnerabilities.
- Integrated security and compliance features into the development lifecycle, ensuring web applications met regulatory standards, reducing incidents by **35%**.

SKILLS AND ABILITIES

Technical Skills:

- Frontend Development
- Web Application Security
- User Interface (UI) Design
- Responsive Web Design
- Database Design
- RESTful API Development
- Algorithm Optimization
- UML and Entity Relationship Diagrams
- Data Structure Design

Tools & Technologies:

- HTML, CSS, JavaScript
- React, Vue.js
- Java, C++
- Java Spring Boot
- Git, GitHub
- Figma, Adobe XD
- SQL, JSON
- Node.js
- Wireshark, Burp Suite
- Bash Scripting, Linux

Soft Skills:

- Problem-Solving
- Attention to Detail
- Time Management
- Teamwork and Collaboration
- Communication
- Technical Writing and Documentation

EDUCATION

- **INSTITUTE OF MANAGEMENT AND TECHNOLOGY ENUGU**
Bachelor of Science, Cooperative Economics and Management
- **CONNAK FOUNDATION ABIA STATE**
Software Engineering

PROJECTS

- **Portfolio Website**
Description: Created a personal portfolio website to showcase my skills, work, and projects, with responsive design and interactive features.
Technologies Used: HTML, CSS, JavaScript
Live Demo: [Portfolio Website](#)
- **Delivery Website**
Description: Created a personal portfolio website to showcase my skills, work, and projects, with responsive design and interactive features.
Technologies Used: HTML, CSS, JavaScript
Live Demo: [Portfolio Website](#)
- ***Shopify Store Customization***
Description: Customized a Shopify store by enhancing its design and user experience. Integrated key features to boost customer engagement and improve sales conversion rates.
Technologies Used: HTML, CSS, JavaScript
Live Demo: [Shopify Store Customization](#)