

PAUL DENTEH

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Education

Master of Science in Computer Science, University of South Florida

August 2023 – May 2025

- **GPA:** 3.6/4.0

Skills

Payment Systems and Transactions: EMV, Magnetic Stripe, Card Not Present Transactions, ISO 8583, PCI DSS Compliance

Testing and Validation: UAT Environment Testing, Test case Development, SIT testing and Regression Testing

Programming Languages: Python, C++ , SQL, JavaScript

Frameworks and Tools : Git, Jira, Linux, Django, Bootstrap

Security and Networking: Wireshark, Nmap, Splunk, Nessus, Active Directory

Soft Skills: Critical thinking, Problem Solving, Teamwork, Adaptability, Communication, Attention to Details

Certifications: CompTia Security+, Certified Ethical Hacker (CEH), Google Cybersecurity, Microsoft Azure Fundamental

Experience

Payment Systems Engineer, EFT Corp – Accra-Ghana

March 2022 – Sept 2023

- Integrated ACI-Postilion Payment Switch with VISA, MasterCard, and GH-Link payment processors, ensuring strict compliance with PCI DSS, ISO 8583, and EMV standards for secure transactions
- Performed UAT testing on ACI-Postilion Payment Switch and t24 core banking integrations, validating transaction accuracy and compliance.
- Worked extensively with EMV, Magnetic Stripe, and Card Not Present transactions to enhance digital payment security
- Developed and executed test cases and vulnerability assessments to evaluate the security and efficiency of payment systems
- Generated and managed encryption keys on Thales HSM to secure financial transactions per regulatory security standards.
- Created and modified .stf files for testing and debugging transaction message flows.
- Led the deployment and configuration of an Active/Active ACI-Postilion Payment Switch for major banking institutions
- Conducted security compliance audits, including VISA and MasterCard certification processes for issuing and acquiring services at CBG Bank

Python Developer, Margins Group –Accra Ghana

Sep 2020 – Oct 2021

- Developed a contract management system to streamline client service tracking and agreement management.
- Provided technical support and training to internal teams, facilitating smooth UAT testing and system optimization.

Projects

- Developed an Android-based system to facilitate efficient medication distribution in underserved communities in Ghana.
- Developed financial messages following ISO 8583 standards to simulate transactions using sink and source nodes in a test environment

Volunteering

Knight of Columbus, Council 12956 Tampa

- Participate in community service projects, including organizing and building homes for families in need through **Habitat for Humanity**.
- Support local resale shops by assisting with the management, promotion, and sales of donated goods to fund charitable initiatives through Habitat for Humanity

Supervisor, USF Recreation and Wellness Center

- Supervised and managed intramural sports programs on campus, ensuring smooth operations and a positive experience for participants
- Managed sports club activities, working with student leaders to organize practices, events, and competitions while ensuring adherence to safety protocols and university policies