PAUL ADEJAYAN

Damascus, MD | 859-803-6624 | pauladejayan@gmail.com | LinkedIn

EDUCATION

University of Maryland, Baltimore County — B.S. Computer Science Baltimore, MD | Expected May 2027

Relevant Coursework: Computer Security, Operating Systems, Design and Analysis of Algorithms, Data Structures, Computer Architecture, Software Engineering, Artificial Intelligence, Programming Languages, Discrete Structures

TECHNICAL SKILLS & CERTIFICATION

Certification: CompTIA Security+ (SY0-701), earned February 2026, valid through February 2029

Security: NIST Cybersecurity Framework, OWASP Top 10 and secure coding, role-based access control, least-privilege data segregation, HIPAA Safe Harbor de-identification

Languages: Python, Java, TypeScript/JavaScript, C/C++, Bash, PowerShell, Google Apps Script

Platforms & Tools: Linux (Ubuntu), Git/GitHub, GitHub Actions, SSH, VirtualBox, pytest, spaCy, Microsoft 365, SharePoint, Power Automate

Concepts: LLM integration, workflow automation, real-time and event-driven systems, automated testing and CI/CD, incident communication

EXPERIENCE

IT Intern — mPower, Inc. (contracted to NIH / NIDDK) June 2026 – Present

National Institute of Diabetes and Digestive and Kidney Diseases, Computer Technology Branch — Bethesda, MD

- Built an end-to-end IT outage communication system on Microsoft 365, replacing a manual email process with a SharePoint single source of truth.
- Automated notification workflows with conditional routing and persistent state tracking, preventing duplicate alerts across enterprise-wide events.
- Built a role-based Help Desk assistant that resolves user identity and routes to segregated knowledge sources, enforcing least-privilege access.
- Architected a Loaner Device Tracking app with barcode scanning, automating asset checkout and lifecycle state management.

Student AI Intern — UMBC Division of Information Technology Baltimore, MD | August 2024 – Present

- Designed and deployed production LLM-based virtual assistants serving 14,000+ students, improving access to academic and administrative resources.
- Engineered end-to-end integrations into existing university systems and established evaluation metrics for accuracy and response quality, reporting performance insights to leadership.
- Automated peer evaluation for a 100+ student course, cutting manual grading time by roughly 75% and eliminating submission errors.

Software Developer Intern — Radical AI New York, NY (Remote) | June 2024 – August 2024

- Engineered secure Python modules with input validation and secure data handling aligned with OWASP Top 10 guidance, reducing the application's attack surface.
- Conducted peer code reviews on open-source projects, identifying and remediating defects and vulnerabilities before release.

PROJECTS

PHI Scrubber — HIPAA Safe Harbor De-Identification Tool Python, spaCy, pytest, CI/CD

- Translated a written federal control standard into enforceable software: implemented all 18 HIPAA Safe Harbor identifier categories (45 CFR 164.514(b)) over clinical free-text, pairing deterministic regex for structured identifiers with spaCy named-entity recognition.
- Implemented longest-match span merging with priority tiebreaking and SHA-256 keyed date shifting (±180 days) preserving interval relationships; verified by a 56-test suite enforced automatically in a GitHub Actions CI pipeline.

Synaptix — Autonomous Agent Control Bridge Python, Telegram Bot API

- Built a Telegram-to-agent bridge enabling remote conversational control of an autonomous coding agent, applying AI tooling well beyond editor-based code completion.

ScalpStation — Autonomous Real-Time Trading System January 2026 – June 2026

Python, TypeScript, WebSockets, REST APIs

- Architected a modular system separating the strategy engine, broker execution layer, and market data ingestion, executing against the ProjectX API across MNQ, MES, and MGC futures.
- Implemented a real-time SignalR WebSocket feed driving live charting, plus a risk and market-regime state machine gating execution against drawdown and session rules, with a remote control bridge for monitoring and manual override.

ClientPulse — Client Intake & Follow-Up Platform TypeScript, Turso, Stripe, Twilio, Vercel

- Deployed a production SaaS platform integrating Twilio messaging, Stripe billing, and scheduled cron jobs to automate client intake and follow-up.

ACTIVITIES

Founder & President, Revival Campus Fellowship | Treasurer, Men's Rugby Club | Member, National Society of Black Engineers (NSBE) | Member, Triumphant Bible Study