

FRANK DELA NUTSUKPUIE

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Accra / Kumasi, Ghana

PROFESSIONAL PROFILE

Final-year Computer Science graduate (GCTU, Sep 2026) and Certified Ethical Hacker (CEH v12 — EC-Council). Experienced in full-stack software development, penetration testing, network security, and production deployment. Builder of multiple live platforms across cybersecurity, AI services, mobile, and e-commerce. Seeking a role where technical depth, a security-first mindset, and a strong delivery record can add immediate value.

EDUCATION

BSc Computer Science 2022 – Sep 2026 (Expected)
Ghana Communication Technology University (GCTU), Accra

Certificate II – Computer Hardware Technology Completed
St. Paul Technical School, Koforidua / Kukurantumi

CERTIFICATIONS

Certified Ethical Hacker — CEH v12 (EC-Council) 2026 (Expected)
Educ8Africa Ghana | #Educ8AfricaCyberChamp21.0

Responsive Web Design — FreeCodeCamp 2025

JavaScript Algorithms & Data Structures — FreeCodeCamp 2025

WORK EXPERIENCE

IT Intern — Directorate of Information Technology (DIT) 2025
Ghana Armed Forces, Burma Camp, Accra

- Built and maintained PHP web applications within a government IT environment, supporting internal operations.
- Worked hands-on with network infrastructure, IT systems administration, and institutional security practices.
- Collaborated with senior IT officers on documentation, project delivery, and workflow improvement.

Project Member — Soko Aerial Robotics 2025

- Built a real-time drone-to-app video transmission system using WebRTC, supporting live aerial surveillance.
- Integrated hardware and software components for seamless streaming across mobile and web platforms.

KEY PROJECTS

HakDel — Cybersecurity Operations Platform

2025–2026

- Full-stack blue team platform — site scanner (20 modules, 0–100 scored), OSINT suite, incident tracker, SSH CTF labs, CEH quiz system, and AI-powered scan interpretation via Anthropic Claude API (SSE streaming).
- Stack: Python 3.10 / FastAPI / PHP 8.1 / Vanilla JS / MySQL 8 / Railway. Auth: bcrypt, TOTP 2FA, Google OAuth 2.0, CSRF. Payments: Paystack.
- Scanner covers: TLS/SSL, HTTP headers, port scanning, CMS fingerprinting, XSS/SQLi probing, WAF detection, CORS, CVE lookup (NVD/NIST), subdomain enumeration (crt.sh), malware indicators.
- 10+ external APIs: VirusTotal, AbuseIPDB, Shodan, Google Safe Browsing, PhishTank, HackerTarget, NVD/NIST, PHPMailer.

PROMEX — Promotional Exam Management System

2025

- Laravel 12 platform for a military/government client — 4 user roles, PDF result downloads, bulk CSV/Excel import, two-step student matching. Stack: Blade, Tailwind CSS, Alpine.js, DomPDF, Spatie Permissions, SQLite.

DelkaAI — Self-Hosted AI Services Platform

2025–2026

- FastAPI AI platform with multi-provider LLM routing (Groq, Gemini, Cerebras, Ollama, NVIDIA NIM, Cohere), dual API key system, Argon2id security, and 84%+ test coverage (126 passing tests).

Swypply — Job Application Platform (Mobile)

2025–2026

- React Native / Expo mobile app with Playwright-powered bot-first architecture for automated job submission. Backend: Railway / PostgreSQL / Supabase. State management: Zustand.

OverTheWire Bandit — Graded Pentesting Assignment

2026

- Completed Levels 0–10 as a formal graded CEH assignment. Applied SSH, Linux privilege inspection, and credential discovery. Delivered a structured professional penetration testing report.

CEH Practical Lab Series — Personal Hands-On Environment

2025–2026

- 41-challenge personal lab series (Tier 1: CEH exam-style; Tier 2: advanced chained attacks) on Parrot Security OS and Ubuntu via VMware — covering recon, enumeration, exploitation, privilege escalation, pivoting, and steganography.

TECHNICAL SKILLS

Languages: Python, PHP, JavaScript, C++, Kotlin/Android, HTML/CSS

Frameworks: Laravel, FastAPI, React, React Native (Expo)

Cybersecurity Tools: Nmap, Zenmap, Masscan, Hping3, Metasploit, Meterpreter, Mimikatz, Wireshark, tcpdump, Burp Suite, OWASP ZAP, SQLMap, Nikto, Aircrack-ng, Airmon-ng, Reaver, Kismet, Gobuster, DirBuster, theHarvester, Maltego, Shodan, Recon-ng, enum4linux, Ettercap, Bettercap, Hashcat, John the Ripper, THC-Hydra, Medusa, SET, BeEF, GoPhish, Cuckoo Sandbox, VirusTotal, Volatility, Autopsy, Ghidra, SearchSploit, Yersinia, arpspoof, steghide, OpenSSL, GPG, WHOIS

Cybersecurity Concepts: Penetration testing, vulnerability assessment, OSINT & recon, system hacking, privilege escalation, session hijacking, SQL injection, XSS, web app hacking, wireless attacks (WEP/WPA/WPA2/WPS), MITM, ARP spoofing, DoS/DDoS, malware analysis, cryptography, steganography, IDS/IPS/firewall evasion, social engineering, incident response

Networking: TCP/IP, UDP, ICMP, OSI model (7 layers), IPv4/IPv6, MAC/ARP/Gratuitous ARP, DHCP (DORA), DNS (all record types, zone transfer), NAT/PAT, subnetting & CIDR, routing protocols (RIP/OSPF/BGP/EIGRP), VLANs, HTTP/S, FTP/SFTP, SSH, Telnet, SMTP/POP3/IMAP, SNMP, LDAP, SMB, RDP, NTP, firewalls (packet filtering/stateful/NGFW), ACLs, VPN (IPSec/OpenVPN/WireGuard/L2TP), wireless standards (802.11 b/g/n/ac/ax), network troubleshooting methodology

Databases: MySQL, PostgreSQL, SQLite, Supabase, SQLAlchemy, PDO

DevOps & Platforms: Git/GitHub, Railway, Vercel, Cloudinary, unicorn, Playwright, SSE, WebRTC

Auth & Security Libs: Argon2id, bcrypt, TOTP/2FA, Google OAuth 2.0, CSRF protection, Spatie Permissions

AI & LLM: Anthropic Claude API, Groq, Ollama, Gemini, Cerebras, NVIDIA NIM, Cohere

Dev Tools: Postman, Swagger, Tailwind CSS, Alpine.js, Chart.js, Blade, PHPMailer, Resend, DomPDF, WeasyPrint, Paystack

Operating Systems: Linux (Ubuntu Desktop, Ubuntu Server, Parrot Security OS), Android (Android Studio), Windows, Windows Server

CORE COMPETENCIES

Security-first mindset • Analytical & threat-oriented thinking • Technical documentation & report writing • Independent problem-solving • Cross-functional collaboration • Attention to detail • Fast self-directed learning • Clear communication of technical concepts to non-technical stakeholders

PERSONAL DETAILS

Hometown: Aflao, Ghana **Languages:** English, Twi **Nationality:** Ghanaian **Religion:** Christian