ELLY ODHIAMBO ONYALO

Aspiring Deep-Tech Product Builder | Full-Stack Developer | Cybersecurity Enthusiast
Nairobi, Kenya.

Email | ellyodhiambo6896@gmail.com | ellylog.el@proton.me
Contact| +254 719 338 534 |+254112078561

Portfolio https://eltek.netlify.app/ | LinkedIn: linkedin.com/in/elly-odhiambo-422125293 |
GitHub| https://github.com/Elly-L/

Professional Summary

Vision-driven developer and solo founder passionate about building foundational AI and blockchain-powered technologies. Proven ability to take products from ideation to deployment, demonstrated by building ShilingiX, a decentralized micro-investment platform that won at the Power Learn Project Africa Hackathon. Strong background in web development, cybersecurity, and startup product development with a long-term goal to lead scalable, deep-tech innovation from Africa.

Technical Skills

- **Programming & Frameworks -** React.js, Python, JavaScript, Solidity, Django, HTML5, CSS3, C++, Java, PHP.
- **Cybersecurity -** Penetration testing, vulnerability assessment, digital forensics, Linux/BSD hardening, threat modeling.
- **Blockchain Development -** Smart contract development (Solidity, ICP), tokenization, smart contract auditing, decentralized logic design.
- **AI & Machine Learning -** Model prototyping (scikit-learn), edge AI concepts, intelligent agents, AI-driven automation.
- **Web Development -** Responsive design (Tailwind CSS), RESTful API design, Supabase, Netlify, performance optimization.
- **Tools & Platforms -** Git & GitHub, Hardhat, Burp Suite, Wireshark, Figma, Metasploit, Visual Studio Code.
- **DevOps & Systems -** Linux server administration, Bash scripting, CI/CD fundamentals, automation workflows.

Projects & Highlights

1) **SkillSync AI** – Product Developer *(React, AI | Jul 2025)*
   Built an AI-powered HR platform to match employees with internal roles and personalized upskilling paths, reducing turnover.
2) **NGAO AI Prototype** – Lead Developer *(AI Verification | Apr 2025)*
   Developed a multi-modal verification system to detect AI-generated misinformation in text, images, audio, and video.
3) **ShilingiX** – Founder & Developer *(React, Solidity | 2024)*
   Launched a decentralized micro-investment platform for low-income users; winner at the Power Learn Project Africa Hackathon.
4) **AI Symptom Diagnostic Agent** – Developer *(Python, scikit-learn | Feb 2025)*
   Built a lightweight AI tool that suggests possible diagnoses based on user-reported symptoms.
5) **Eltek Startup Portfolio** – Founder *(Full-Stack Development | Jul 2022 – Present)*
   Built and launched a solo tech startup portfolio showcasing AI, blockchain, and other projects.
6) **JICA Potato Value Chain Project** – Lead Developer *(May 2024 – Aug 2024 | JKUAT & JICA)*
   Built a cross-platform mobile e-commerce app for 200+ farmers to sell produce.

Experience

Freelance IT & Security Consultant
Remote | Mar 2022 – Present

   Conducted 800+ hours of **penetration testing** across web and network systems; identified and patched critical vulnerabilities.

   Advised clients on **cybersecurity best practices**, MFA, and infrastructure hardening

Lead Mobile Developer – JICA Potato Value Chain Project
JKUAT & JICA | May – Aug 2024

   Built a cross-platform **mobile e-commerce app** enabling 200+ farmers to sell produce digitally.

   Integrated **payment gateways**, inventory tracking, and user-friendly mobile UI using Flutter.

   Collaborated with agricultural experts and researchers to translate real-world workflows into software features

Education

Bachelor of Science in Information Technology
Jomo Kenyatta University of Agriculture and Technology (JKUAT) | 2021 – Present
(Awaiting graduation)

St. Patrick's High School – Iten
KCSE: A- (76)

Certifications & Awards

- Power Learn Project Africa Hackathon – Winner (2024)
- ICP Blockchain Hackathon – 2nd Place (2023)
- Huawei ICT Datacom Certification (2023)
- Cisco Cybersecurity Essentials + Advanced Network Security (2023)
- US Cyber Challenge Virtual Camp – (2025)
- Red Hat Linux Administration I & II (2023)

References

Prof. Ronald Waweru Mwangi – JKUAT
Email: waweru_mwangi@icsit.jkuat.ac.ke

Patience Gitau – JKUAT Lecturer
Email: gitaupatience17@gmail.com | Phone: +254 758 461 284