**TWESIGYE KEITH**

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**🔹 PROFESSIONAL SUMMARY**

Innovative and detail-oriented Full Stack Developer and Cybersecurity Engineer with over 5 years of progressive experience in software development, system security, and IoT solutions. Highly skilled in .NET (C#), Azure Cloud, CI/CD pipelines, Power Apps, and embedded systems. Proven ability to lead end-to-end development, deliver scalable applications, and provide Tier 2/3 support. Strong background in penetration testing, cloud and network security, and agile project management.

**🔹 RELEVANT EXPERIENCE**

**.NET Full Stack & Security Developer – Biiteek Technology**  
*March 2023 – Present*

* Lead full-stack development and security audits for government and private sector apps (e.g., Pax Insurance, MyTalu).
* Developed secure .NET-based applications and conducted regular penetration tests.
* Managed CI/CD deployments via Azure DevOps and provided Tier 2/3 application support.
* Collaborated across teams to resolve production bugs, apply hotfixes, and maintain high system uptime.

**Co-Founder & Lead Developer – Najod Surveillance Systems**  
*January 2024 – Present*

* Co-founded an AI-driven security company delivering software and hardware surveillance systems.
* Architected and deployed Najod Facial Recognition System using **.NET (C#)**, embedded systems, and AI models.
* Developed custom alerting and notification tools for license plate detection and security breach notifications.
* Integrated real-time monitoring and dashboard reporting via **Azure Cloud** and custom APIs.
* Supervised junior developers and worked directly with government security stakeholders at the National ICT Innovation Hub.

**IoT Security & Web Developer – FMS Africa**  
*August 2022 – March 2023*

* Configured secure IoT systems (fuel monitoring, GPS tracking, speed violation) for East African clients.
* Ensured data integrity across web and mobile apps using secure programming and real-time monitoring.
* Collaborated with customer support and DevOps teams to proactively resolve system alerts.

**IT Security – Centenary Bank**  
*April 2022 – July 2022*

* Worked with the MIS and InfoSec departments on auditing and improving internal security tools.
* Participated in developing secure backend scripts and network monitoring dashboards.

**Lead Developer (Freelance) – Lit Programmers**  
*2020 – Present*

* Delivered secure, scalable web and mobile apps using C#, Flutter, React, and Next.js such as 421 residences.com, nadltd.com, trueheartofworship.com,
* Projects include **Oliwaa App** (Play Store), **Kelvan Consults**, and others with built-in security features.

**🔹 EDUCATION**

**Bachelor of Science in Cybersecurity and Networking**  
*ISBAT University, Kampala* — 2019–2022

**Certifications:**

* **CEH (Certified Ethical Hacker)** – CEH Council, 2024
* **CompTIA Security+** – CompTIA Academy, 2022

**Specialized Training:**

* System Development and Management – Centenary Bank
* Embedded Systems & IoT Security – Fleet Monitoring Systems
* Optical Fiber Technology Installation & Operation – Liquid Intelligent Technologies
* Web and App Development (C, Web3, React.js, Next.js, Flutter)

**🔹 PROJECT HIGHLIGHTS**

* **Government Surveillance Systems (Co-Founder, 2024–Present)**  
  Developed AI-powered security systems including facial recognition, intrusion alerts, and license plate detection in **C# and Azure**.
* **IEEE-funded IoT Security Projects**  
  Led the design of an ultrasonic motion alarm system integrating IoT and embedded systems for physical security.
* **Government Startup (2025)**  
  Developed secure software systems for national surveillance at Uganda’s ICT Hub.

**🔹 CONFERENCES & AWARDS**

* 🏆 **Winner**, IEEE Embedded & IoT Development Hackathon – Aug 2024
* 🏅 Participant, **Liquid Technologies Cybersecurity Hackathon** – Oct 2025
* 🎓 **Optical Fiber Seminar** – Liquid Intelligent Tech & UNESCO – May 2024
* 🛡️ **Uganda Youth Internet Governance Forum (UYIGF)** – April 2025

**🔹 PROFESSIONAL MEMBERSHIPS**

* IEEE Young Professionals & Photonics Society
* Cyber Talent Competitions
* ICT Government Hub Community

**🔹 CORE TECHNICAL SKILLS**

* **Languages & Frameworks:** C#, .NET Core, ASP.NET, JavaScript (React, Next.js), Flutter, HTML/CSS
* **Cloud Platforms:** Azure, Firebase
* **Tools:** Azure DevOps, Git, CI/CD, Docker
* **Security:** CompTIA Security+, CEH, Penetration Testing, Risk Analysis, Malware Mitigation
* **Databases:** SQL Server, MySQL, Firebase Realtime DB
* **Others:** Power Apps, Embedded Systems, IoT Security, API Integration, Unit Testing, UAT, Agile/Scrum

**🔹 ADDITIONAL SKILLS**

* Agile development with Azure DevOps
* 70%+ unit test coverage & 100% API integration testing
* Strong debugging and UAT handling
* Excellent communication, teamwork, and documentation skills

**🔹 LANGUAGES**

* English (Fluent)
* Luganda (Fluent)

**REFERENCES:**

Mr. Paul Musoke,

P.O BOX 9858,

Centenary bank,

Kampala, Uganda,

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Mr. Mayur, FICT and cyber security department,

P.O BOX 6087,

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