

PETER KARIUKI KAMUNYU

Cybersecurity graduate | IoT Specialist | Full-Stack Developer | STEM Educator

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PROFESSIONAL EXPERIENCE

Dynamic Computer Security and Forensics graduate (BSc, Second Class Honors, Upper Division) with hands-on expertise in cybersecurity operations, IoT/robotics instruction, full-stack development, and network infrastructure. Proven track record mentoring STEM students at Pixel Academy Africa in building functional prototypes for national competitions, while delivering IT support and web projects at Georgie Computer Services. Certified in CCNA, Google Cybersecurity, QRadar SIEM, and IBM tools, I excel in SOC analysis, penetration testing, vulnerability assessment, Python automation, and emerging tech like AI/ML and Azure IoT. Passionate problem-solver with strong project management skills (ClickUp, HubSpot), bilingual in English and Kiswahili, driven to innovate in cloud security, malware analysis, and IoT defenses.

WORK EXPERIENCE

Pixel Academy Africa Ltd, Nakuru, Kenya

Stem instructor (IoT & Robotics specialist), Jan 2025 – Dec 2025

- Prototype Engineering: Guided the development of functional engineering prototypes, demonstrating a deep understanding of how hardware communicates with software platforms.
- Technical Instruction: Taught Robotics, IoT, AI, and Game Development, equipping students with future-ready digital skills.
- Supervised project execution: Mentored 20+ students through project execution and strategy for national-level STEM competitions.
- Curriculum Design: Developed hands-on coursework in Robotics, IoT, Machine Learning and Game Design to foster critical thinking.
- Guided 50+ students in building functional engineering prototypes and practical coding solutions during normal classes.

Georgie Computer Services, Kiambu, Kenya

IT support Technician, May 2021 – August 2021

- Served as primary operational support point of contact, resolving technical issues, managing hardware inventory, reduced company-wide downtime by 50% through proactive hardware and network maintenance..

Web Developer & Designer, ongoing

- Full-Stack Development: Engineered responsive web applications, ensuring cross-browser compatibility and high performance.
- UI/Visual Design: Created logos, branding assets, and high-fidelity interface mockups using Figma, Adobe Photoshop, and Illustrator.
- Project Delivery: Managed the full lifecycle from client consultation to final deployment, handling domain setup, hosting, and database integration.

EDUCATION

KABARAK UNIVERSITY (2021–2025)

- Bachelor of Science in Computer Security and Forensics, Second Class Honors (Upper Division)

KIRANGARI HIGH SCHOOL (2017–2020)

- Kenya Certificate of Secondary Education (Scored a mean grade of B)

RWAMBURI PRIMARY SCHOOL (2009–2016)

- Kenya Certificate of Primary Education (Scored a mean grade of B)
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CERTIFICATIONS

- **Cisco Certified Network Associate (CCNA) Routing and Switching:** Certified November 1, 2023. This certification validates foundational knowledge in networking, routing, and switching.
- **Google Cybersecurity Professional Certificate:** Completed on June 23, 2023. This certificate demonstrates my expertise across eight key domains, including threat management, network security, and security automation with Python.
- **Website Development Boot Camp Program:** Awarded on August 14, 2025, by eMobilis. This certificate recognizes my successful completion of the Website Development Boot Camp Program, where I gained skills in building dynamic web applications.
- **Security Analyst Program:** Awarded on August 27, 2025, this certificate from Cyber Shujaa, I gained hands-on experience in vulnerability assessment, penetration testing, and Security Operations Center (SOC) analysis.
- **Linux on IBM LinuxONE Intermediate:** Focused on administering Linux environments on enterprise-grade infrastructure, covering transaction processing and system optimization.
- **IBM Spectrum Storage for AI and Big Data Fundamentals:** Gained foundational knowledge in managing high-performance storage solutions tailored for AI workloads and large-scale data analytics.
- **QRadar SIEM:** Understanding the User Interface and Architecture (v7.5): Mastered the navigation and architectural framework of QRadar to monitor security threats and manage SIEM log data effectively.
- **IBM Cybersecurity Fundamentals:** Developed a core understanding of the cybersecurity landscape, including threat identification, data protection, and incident response basics.
- **Getting Started with Azure IoT Hub:** Configured cloud-to-device messaging and managed IoT assets using Microsoft Azure's cloud infrastructure.
- **HubSpot: Working with a Ticketing System:** Learned to streamline IT support workflows by managing, prioritizing, and resolving customer service tickets within the HubSpot CRM.
- **Introduction to Project Management with ClickUp:** Applied Agile methodologies to organize tasks, track project timelines, and manage team collaborations using the ClickUp platform.

- **Data entry certification: Completed December 2025 via Coursera. Focused on mastery of digital precision and information integrity.**
- **Introduction to Data Analysis using Microsoft Excel:** Utilized PivotTables, VLOOKUPs, and data visualization techniques to transform raw data into actionable business insights.
- **Getting Started with Microsoft Excel:** Mastered essential spreadsheet functions, formatting, and data entry techniques for professional documentation and organization.
- **Computer Proficiency Training:** Certified Aug 2021 Technical Skills: MS Office Suite (Word, Excel, PowerPoint, Access, Publisher), Windows, & Email Management.

KEY SKILLS

- **Cybersecurity & Forensics:** SOC Operations, Vulnerability Assessment, Penetration Testing, Incident Response, Digital Forensics (EnCase, FTK, Autopsy), Security Automation (Python), IBM QRadar SIEM, Threat Mitigation.
- **Networking & Cloud Infrastructure:** Cisco Routing & Switching (CCNA), Network Security, Linux Administration (IBM LinuxONE, Bash Scripting), Azure IoT Hub, Cloud Computing & Virtualization.
- **Full-Stack Development:** Languages: Python (Django), JavaScript (React.js), PHP, SQL. Web: HTML5, CSS3, Bootstrap, Webflow, REST APIs. Database: Database Integration, Server-side Logic.
- **IT Operations & Support:** Hardware Troubleshooting & Repair, Asset Management, Ticketing Systems (HubSpot), Data Analysis (Excel PivotTables, VLOOKUP), Project Management Tools (ClickUp).
- **IoT & Emerging Technologies:** IoT Architecture, Robotics Programming, Sensor Logic, Embedded Systems, Artificial Intelligence (AI) & ML Concepts.

SOFT SKILLS & INTERESTS


- **Core Competencies:** Critical Thinking, Problem-Solving, Cross-Functional Collaboration, Adaptability, Attention to Detail.
- **Professional Interests:** Cloud Security, Malware Analysis, AI in Cybersecurity, IoT Security, Global Entrepreneurship.

LANGUAGES

- English – Proficient (written and spoken)
- Kiswahili – Proficient (spoken and written)

REFERENCES

- Pixel Academy



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