

Charles Otugeh

Penetration Tester, Security Analyst | Data Analyst | Software Developer

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I hold a bachelor's degree in Statistics and Computer Science with hands-on expertise in ethical hacking and security analysis. My professional background spans ICT Innovation Management, Data Analysis, Penetration Testing, and Vulnerability Analysis, with proven experience as an ICT Officer in Innovation Management at the Public Service Commission, a Data Analyst in healthcare at Mater Hospital and Edge Medical Technology and Research, a Penetration Tester at Cyber Shujaa, a Procurement Officer optimizing secure operations at RFH Healthcare, and Software Development at Zone01 Kisumu. Skilled in tools such as Kali Linux, Nmap, Wireshark, SMB, Metasploit, and languages Go, JS, HTML, CSS, and Python, and familiar with intrusion detection skills acquired from lab machines.

TOP SKILLS & EXPERTISE

- Vulnerability scanning, analysis, and enumeration were used during hands-on training.
- Data analysis, SPSS applied in data analysis
- HTML, CSS & JS, GO, SQL, Docker, Python, applied in web and application development
- Inventory and database management, procurement -Acquired while working
- Communication, empathy, effective teamwork, and collaboration. Time management, problem-solving, Innovation Management, and negotiation.

EDUCATION

2013-2017	BSc. Statistics and Computer Science , 2 nd Upper	Technical University of Mombasa
2009-2012	Kenya Certificate of Secondary Education (KCSE) , B+	Shimba Hills Secondary School

CERTIFICATIONS

April 2026	Security Analyst Specialist	Cyber Shujaa
August 2025	Ethical Hacking	Cyber Shuja
Nov 2023 -July 2025	Web Development	FreeCodeCamp

Work EXPERIENCE

Zone01 Kisumu | Software Developer | Mar 2026 - Present -Kisumu

- Build web applications using the Go language, HTML, CSS, JS, and Python
- Collaborate with fellow developers when working on a project.
- Built the frontend and backend parts of the application during hackathons
- Integrated application in a Docker container to ensure real-world production

Freecodecamp/Cyber Shujaa | Software Developer/Cyber Security Trainee | Nov 2023 - Jul 2025 Nairobi

- Enrolled in an intensive Ethical Hacker and Security Analyst hands-on training course at Cyber Shujaaa for 6 months. I acquired penetration testing and Security analyst skills.
- Enrolled in a web development course at freeCodeCamp, I gained skills in HTML, CSS, and JavaScript

Binstopej Management Solution | Security and Digital Skills Trainer | Jun 2023 - Oct 2023 -Nairobi

- Conducted online security and digital skills training for teachers and pupils. Achieved 40% on online safety
- Delivered engaging training content using Microsoft tools.
- I communicated training feedback to the field manager on the training process.

Public Service Commision/ICT Authority | ICT Officer | April 2022 - April 2023 -Nairobi

- Conducted innovation management in Homa Bay County.
- Collaborated with universities, colleges, and ICT Hubs to identify viable innovations and mentor innovators.
- Initiated a partnership between Tom Mboya University and the ICT Authority on Innovation matters.
- Evaluated innovations and guided five innovators to register their solutions on the Huduma Whitebox platform for innovation exposure.
- Authored a comprehensive monthly report on innovation progress.

RFH Healthcare | Procurement Specialist | April 2020- April 2022 - Nairobi

- Authored procurement policy to curb irregularities. Supervised movement of nonpharmaceuticals to ensure integrity and accountability.
- Purchased and maintained supplies inventories and always carefully adhered to procurement practices
- Negotiated better prices with suppliers to ensure profitability from medical consumables.
- Forwarded LPOs to the suppliers. Received purchases and monitored inventory.

Edge Medical Technology and Research |Data Analyst | Oct 2019 - Feb 2020

- I cleaned the data, analysed, interpreted, and developed a report

Mater Hospital | Statistician Intern | Jul 2016 - Sept 2016 - Nairobi

- Collected data, coded, collated, analysed, and interpreted to give useful information.

Project | TyhackMe and HackThe Box | Jun 2025– Dec 2025

- I completed more than ten labs on TryHackMe and the Hack the Box Lab project. This strengthens my cybersecurity skills (networking, scanning, and vulnerability analysis).

Publication | Mathematical Theory and modelling | Oct 2018

- Title: Application of RCBD in Determining Deviation of Price Basket Commodities in Supermarkets in Mombasa County
- Link: [Research Gate](#)

Language

- English: Advanced

Referees

- Referees are available on request