

BENEDICT BARAKAELI NSALE

Personal Information

Name: Benedict Barakaeli Nsale

Gender: Male

Date of Birth: 23rd February, 2000

Marital Status: Not Married

Phone Number: 0622-472600

Nationality: Tanzanian

Current Residence: Mbezi juu, Dar Es Salaam,

Email: 23ycnsale@gmail.com

Professional Summary

Results-oriented IT Specialist with a strong background in **system administration, cloud platforms, ERP solutions, and cybersecurity**. Currently serving as an IT Consultant – Microsoft Dynamics Solutions at Athena Core Technologies, delivering **end-to-end ERP support, SQL database management, and infrastructure optimization**. Skilled in **Windows & Linux Server administration, Azure cloud integration, LAN/WAN configuration, virtualization (VMware/Hyper-V), and disaster recovery planning**. Proven ability to manage and secure enterprise systems, ensuring **business continuity, data**

integrity, and compliance. Adept at scripting and automation using Python and Bash to streamline operations and integrate applications. Recognized for strong **troubleshooting, analytical problem-solving, and user training skills**, with a passion for leveraging technology to drive efficiency, enhance cybersecurity, and support organizational growth.

Technical Skills

- **Cybersecurity & Digital Forensics:** Penetration Testing, Network Security, Incident Response, Data Recovery, Threat Detection & Analysis
- **Network Administration:** LAN/WAN Configuration, TCP/IP, Routing & Switching, Firewalls, VPN, DNS, DHCP
- **Server Management:** Linux & Windows Server, Active Directory, Backup Solutions, Virtualization (VMware, Hyper-V)
- **Programming & Scripting:** Python, Bash, React.js, Flask, HTML5, CSS3, PHP
- **Database Management:** MySQL, SQL Server, SQLite
- **System Administration:** System Monitoring, Troubleshooting, Software Installation & Maintenance
- **Hardware Maintenance:** Repair, Configuration, and Optimization of IT Infrastructure, Network Equipment Setup
- **ERP & Business Systems:** Microsoft Dynamics 365 Business Central (Customization, Development, Integration, End-User Support), Enterprise Applications (FFARS, TAUSI, GOTHOMIS)
 - **DevOps & Tools:** Docker (Containerization), CI/CD Concepts, Version Control Systems, Testing, Building
- **Operating Systems:** Linux (Ubuntu, Kali), Windows, macOS

- **Cloud & Virtualization:** Microsoft Azure (Administration, Security, and Integration)
 - **Tools & Platforms:** Cisco Packet Tracer, Wireshark, Kali Linux, Nmap, Metasploit, Nessus, Burp Suite, VirtualBox
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Professional Experience

Practical Training | Kondoa Town Council, Tanzania

June 2022 – September 2022

- Administered and maintained server systems, ensuring uptime and reliability for the council's administrative operations.
- Configured and managed network switches, routers, and firewalls, ensuring secure and efficient network performance.
- Troubleshoot hardware and software issues across different departments, enhancing technical support services and reducing downtime.
- Provided daily system administration, maintaining both Linux and Windows environments, ensuring data integrity, and performing regular backups.

LAN Installation Project | GO-JO Company, Arusha

September 2023 – November 2023

- Collaborated with GO-JO Company to design and implement Local Area Network (LAN) infrastructure at Kondoa Town Council building.

- Led the installation of UTP cables, managed routing and switching configurations, and ensured network stability and scalability to meet future needs.
- Conducted network performance testing and troubleshooting to optimize the system's speed and reliability.
- Trained IT staff on maintaining and troubleshooting the newly installed LAN system to ensure ongoing operational efficiency.

IT Consultant & Microsoft Dynamics 365 Business Central Developer

ATHENA CORE TECHNOLOGIES – Dar es Salaam, Tanzania

November 2024 – Present

- Lead **implementation, customization, and ongoing development** of Microsoft Dynamics 365 Business Central, including writing **AL code extensions, reports, workflows, and integrations** to align ERP functionality with business requirements.
- Manage **end-to-end ERP lifecycle**: requirements gathering, system design, customization, deployment, and post-implementation support, ensuring smooth adoption and business continuity.
- Provide **tier-2/3 technical support** for Business Central, resolving complex functional and technical issues while training end-users to optimize productivity.
- Collaborate with finance, HR, and operations teams to **integrate Business Central with external applications** (SQL databases, APIs, and reporting tools), improving data flow and reporting accuracy.
- Administer and secure **Windows Server environments** (Active Directory, Group Policies, scheduled updates, access management) to support ERP and organizational IT infrastructure.
- Conduct **network troubleshooting and performance tuning**, including VPN and firewall configuration, ensuring secure and efficient communication across company systems.
- Develop and maintain **responsive web applications and portals** for internal use, ensuring compliance with security best practices and integration with ERP where required.

- Implement **data backup, disaster recovery, and system monitoring procedures** to safeguard organizational information and minimize downtime.
 - Support IT infrastructure by installing, configuring, and maintaining hardware (servers, printers, CCTV, and end-user devices), ensuring seamless daily operations.
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Education

Bachelor of Science in Cybersecurity and Digital Forensic Engineering

The University of Dodoma(UDOM), Tanzania

Graduated: November 2024

- Relevant Coursework: Network Security, Digital Forensics, Cryptography, Incident Response, Secure Software Development, Ethical Hacking
- Additional Certifications:
 - **Cybersecurity Essentials** – Cisco Networking Academy (July 2021)
 - **Developing Secure Software (LFD121)** – The Linux Foundation (May 2023)

Advanced Certificate of Secondary Education (A-Level)

Bagamoyo Secondary School, Tanzania

Combination of Physics, Chemistry and Mathematics

2018 – 2020

Certificate of Secondary Education (O-Level)

Scholastica Secondary School, Tanzania

2014 – 2017

Primary Education Certificate

Shalom Primary School, Tanzania

2007 – 2013

Projects

Web Application for TEYORA Company Limited

- Developed a **client-service management platform** for TEYORA Company Limited (<https://teyora.co.tz>), enabling users to request IT services, monitor project progress, and communicate with the tech team.
- Built with **React.js (frontend)**, **Flask (backend)**, and **PostgreSQL (database)**.
- Integrated **security features** (authentication, authorization, data encryption) to ensure client confidentiality and system reliability.
- Deployed application with scalability in mind, enhancing customer engagement and operational efficiency.

Smart Post Web Application (Integrated with Microsoft Dynamics 365 Business Central)

- Designed and developed a **post management system** later integrated into **Business Central ERP** at Athena Core Technologies.
- Built using **React + Vite, Tailwind CSS (frontend)**, **Flask (backend)**, and **PostgreSQL (database)**.
- Implemented **real-time data synchronization** with ERP for seamless business operations.
- Delivered a responsive, user-friendly interface that streamlined internal workflows and reporting.

Event Planning Web Application (eVendi)

- Created a **custom event planning and booking system** to manage event scheduling, client bookings, and vendor communication.
- Built using **HTML, PHP, and MySQL**, ensuring simple deployment and accessibility.
- Designed intuitive user interfaces and secure data storage for improved user experience.

Development of a Video Forensic Tool

- Built a **digital forensic video analysis tool** to verify authenticity and extract metadata for investigations.
- Technologies: **Vue.js, Flask, MySQL, Docker**.
- Implemented secure video handling and automated metadata extraction for investigators.
- Deployed with Docker for consistency and scalability in different environments.

LAN Installation for Kondoa Town Council

- Designed and implemented a full **LAN infrastructure** for Kondoa Town Council.
- Technologies: **UTP Cabling, MikroTik Switches, Routers, DHCP**.
- Configured routing and switching, enabling stable internal communications and data sharing.
- Delivered a **scalable and secure network**, minimizing downtime and ensuring long-term reliability.

Penetration Testing of bWAPP (Class Project)

- Conducted a full **penetration testing cycle** on bWAPP vulnerable web application.
- Tools: **Kali Linux, Burp Suite, Nmap, Metasploit and many more tools**.
- Executed all phases of ethical hacking: information gathering, vulnerability assessment, exploitation, maintaining access, and covering tracks.
- Delivered a **real-world simulated attack lifecycle**, strengthening skills in cybersecurity and incident response.

Languages

- **English:** Fluent
- **Swahili:** Fluent

References

Jofrey Ndandala

Information and Communication Technology Officer (ICTO)

P.O. Box 711, Kondoa, Tanzania

Contact: +255 683 521 929

Nelice Bagira

Human Resource (HR) at Pacific Dynamics

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Coca-Cola Road Plot 46- 48

Mikocheni Light Industrial area,

Dar es Salaam

Contact: +255 787 950 378

Declaration

I, **Benedict Barakaeli Nsale**, hereby declare that the information provided above is true and accurate to the best of my knowledge.



The Linux Foundation hereby certifies that

BENEDICT NSALE

has successfully completed

Developing Secure Software LFD121

TIMOTHY SEREWICZ,
TRAINING PROGRAM DIRECTOR

May 16, 2023

DATE OF COMPLETION

LF-cp3ena7gz2

CERTIFICATE ID NUMBER

Cybersecurity Essentials

For completing the Cisco Networking Academy® Cybersecurity Essentials course, and demonstrating the following abilities:

- Describe the tactics, techniques and procedures used by cyber criminals.
- Describe the principles of confidentiality, integrity, and availability as they relate to data states and cybersecurity countermeasures.
- Describe technologies, products and procedures used to protect confidentiality, ensure integrity and provide high availability.
- Explain how cybersecurity professionals use technologies, processes and procedures to defend all components of the network.
- Explain the purpose of laws related to cybersecurity.

Benedict Nsale

Student

The University of Dodoma

Academy Name

Tanzania

Location

5 Jul 2021

Date

Hamisi Fereji

Instructor

Instructor Signature