

# **BENEDICT BARAKAELI NSALE**

## **Personal Information**

Name: Benedict Barakaeli Nsale

Gender: Male

Date of Birth: 23<sup>rd</sup> February, 2000

Marital Status: Not Married

Phone Number: 0622-472600

Nationality: Tanzanian

Current Residence: Mbezi juu, Dar Es Salaam,

Email: 23ycnsale@gmail.com

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## **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.

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## 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.
- Troubled 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 Psychics, 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

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## **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.

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## Languages

- **English:** Fluent
  - **Swahili:** Fluent
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## 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  
[nbagira@pyramidpharma.co.tz](mailto:nbagira@pyramidpharma.co.tz)  
Coca-Cola Road Plot 46- 48  
Mikocheni Light Industrial area,  
Dar es Salaam  
Contact: +255 787 950 378

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## 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

A handwritten signature in black ink, appearing to read "Timothy Serewicz".

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**

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Student

**The University of Dodoma**

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Academy Name

**Tanzania**

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Location

**Hamisi Fereji**

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Instructor

**5 Jul 2021**

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Date

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Instructor Signature