

## THUMBIKO NYASULU

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### PROFILE

Proactive IT professional with a Bachelor of Science in Computer Science and hands-on experience in IT infrastructure, cloud environments, and technical support. Adept at troubleshooting hardware, software, and network systems in cloud and on-premises environments. Proficient in virtualization, database administration, IT security, and enterprise application development. Committed to delivering secure, scalable, and reliable IT solutions while continuously advancing technical knowledge.

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### EXPERIENCE

#### Data Centre Technician

**Amazon Web Services (AWS) | Tallaght, South Co. Dublin**

**May 2024 – September 2024**

- Diagnosed and resolved hardware and cloud infrastructure issues, ensuring high availability in a fast-paced data centre environment.
- Assisted in configuring and updating network systems, ensuring seamless infrastructure health and connectivity.
- Managed IT resources and maintained detailed documentation for troubleshooting and internal knowledge sharing.

#### IT Support Intern

**Surecom | Rathcoole, Greenogue Business Park, Co. Dublin**

**March 2022 – August 2022**

- Provided first-line support for hardware, software, and network issues, ensuring minimal downtime.
  - Installed, configured, and maintained operating systems to enhance user productivity and system reliability.
  - Delivered training on internal IT systems and maintained accurate technical documentation for compliance and quick reference.
  - Streamlined IT request processes with Project Insight, reducing response times and improving service delivery.
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### EDUCATION

#### Bachelor of Science in Computer Science

Technological University of Dublin | 2019 – 2023

#### Computer Systems, Networks, and Cyber Security (Level 5)

Colaiste Ide | Finglas, Co. Dublin | 2018 – 2019

## CORE SKILLS

- **Networking & Virtualization:** TCP/IP, DNS, DHCP, SSL, VMware, VBox.
  - **Cloud Infrastructure:** Azure, AWS (troubleshooting, resource management).
  - **Database Administration:** MySQL, PostgreSQL, NoSQL (MongoDB).
  - **IT Security:** Encryption, firewalls, penetration testing.
  - **Software Development:** OOP principles (Python & JAVA), HTML.CSS, JavaScript, NodeJS, Django, Git, WordPress
  - **Operating Systems:** Linux & windows (command line and commands)
  - **Communication & Collaboration:** Strong interpersonal skills for cross-functional teamwork.
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## PROJECTS

### CarWash

- **Description:** An online platform for booking and managing car wash services.
- **Technologies:** JavaScript, Node.js, MongoDB, Express.js.
- **Key Features:** Implemented a robust back end with Node.js and MongoDB, integrated a user-friendly front-end for service scheduling, and ensured seamless data handling with RESTful APIs.

### AWM24

- **Description:** A platform for users to search and find local car meets across Ireland.
- **Technologies:** Django, GeoDjango, PostGIS, Leaflet.js, PostgreSQL, Docker, Azure, Bootstrap 4.
- **Key Features:** Interactive maps for location searches, secure user authentication, and cloud deployment on Azure with Docker.

### BikoBlogs

- **Description:** A blogging platform built using the MERN stack (MongoDB, Express.js, React, Node.js).
  - **Technologies:** MERN stack, RESTful APIs, JSON Web Token (JWT) for secure user authentication.
  - **Key Features:** Fully functional CRUD operations, responsive design, and scalable architecture for deployment.
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## CERTIFICATIONS

- **AWS Academy Graduate:** AWS Cloud Foundations | Valid through July 2027
  - **DevOps Foundations:** LinkedIn Learning | October 2023
  - **Agile Testing:** LinkedIn Learning | October 2023
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## **INTERESTS**

- Engaging in self-driven IT projects to stay current with technology trends and industry standards.
- Designing and developing personal projects to enhance skills in web development and deployment.
- Active basketball player in local leagues, fostering teamwork and strategic thinking.