

Stephan Malobeka

Computer Systems Engineer • Full-Stack JavaScript Developer • Telecommunications Engineer

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Professional Profile

Computer Systems Engineering graduate from the University of Zambia with professional experience in telecommunications, networking, and full-stack software development. I have contributed to mobile core network operations and broadband deployment through roles at Baicells Technologies and a major telecommunications operator.

My primary programming language is JavaScript, with strong experience building scalable web applications using Node.js, Express, React, PostgreSQL, and MongoDB. I enjoy solving real-world problems through software engineering, automation, networking, cloud technologies, and IoT systems.

Known for being highly adaptable, quick to learn, and committed to delivering quality technical solutions while continuously expanding my knowledge.

Professional Experience

Home Broadband Outdoor Unit (ODU) Installer,

2025 – Present

Telecommunications Operator (Confidential)

- Install and commission outdoor unit broadband systems.
- Conduct customer site surveys and optimize signal performance.
- Configure customer networking equipment and validate connectivity.
- Troubleshoot installation and connectivity issues.
- Ensure high-quality installations and strong customer satisfaction.
- Coordinate with technical teams during service activation.

Telecommunications Engineering Intern, Baicells Technologies

Supported engineers on the Zedmobile Core Network, gaining practical experience with telecommunications backbone infrastructure and enterprise networking.

- Assisted with monitoring core network systems.
- Participated in network troubleshooting and incident resolution.
- Supported infrastructure maintenance and upgrades.
- Studied mobile telecommunications architecture and best practices.
- Collaborated closely with senior network engineers.

Education

Bachelor of Science in Computer Systems Engineering,

2026

University of Zambia (UNZA)

Relevant Coursework:

- Cloud Computing
- Distributed Systems
- Computer Networks
- Artificial Intelligence
- Data Mining & Warehousing
- Wireless Networks
- Embedded Systems
- Software Engineering

Technical Skills

Programming

- JavaScript (Primary)
- Python
- PHP
- SQL

Backend

- Node.js
- Express.js
- REST APIs
- Prisma ORM

Cloud

- Google Cloud Platform
- Amazon Web Services

Operating Systems

- Linux (Ubuntu)
- Windows

Frontend

- HTML5
- CSS3
- React
- Vite

Databases

- PostgreSQL
- MongoDB
- SQLite

Networking

- Cisco Networking
- TCP/IP
- LAN/WAN
- Routing & Switching
- Broadband Networks

Tools

- Git
- GitHub
- Docker
- Arduino
- ESP32
- Raspberry Pi

Projects

Installer Management System, *Node.js • PostgreSQL • Prisma*

Backend system developed for managing field installers, automating contract processing, and providing REST APIs for field operations.

Smart Farming System, *React Native • Node.js • MongoDB • Arduino • Raspberry Pi*

IoT platform for environmental monitoring and remote farm management.

Pakala Local Trading Platform, *Node.js • PostgreSQL*

Marketplace platform supporting local buying and selling.

AI Story Journaling Application, *React • Node.js*

AI-powered journaling platform that helps users organize and enrich personal stories.

Certifications

- Cisco Certified Network Associate (CCNA)
- Linux Certification
- Google Cloud Certification
- AWS Certification

Leadership & Volunteer Experience

UNZA Innovation Challenge

Participated in the university innovation competition developing technology-driven solutions.

Entrepreneurship Sandbox Summer Hackathon, Ontario Tech University (Brilliant Catalyst)
Collaborated with multidisciplinary teams to develop innovative software solutions.

EO Robotics STEM Workshops
Completed practical robotics and embedded systems training using Arduino technologies.

Web3 Bootcamp
Studied blockchain fundamentals and smart contract development using Motoko.

Awards

Mukali Award
Awarded for exceptional performance as a top-performing broadband installer.

Core Competencies

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|------------------------------|---------------------------|
| • Full-Stack Web Development | • JavaScript Development |
| • Software Engineering | • REST API Development |
| • Network Engineering | • Cloud Computing |
| • Linux Administration | • Database Design |
| • Problem Solving | • Technical Documentation |
| • Team Collaboration | • Customer Support |

Languages

English Fluent	Nyanja Fluent	Bemba Conversational
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References

Available upon request.



This certificate is awarded to

Stephan Malobeka

for successfully completing

CCNAv7: Introduction to Networks

through the Cisco Networking Academy program.

Lynn Bloomer

Lynn Bloomer
Director

16 Apr 2024

This certificate is awarded to

Stephan Malobeka

for successfully completing

IT Essentials: PC Hardware and Software

through the Cisco Networking Academy program.

A handwritten signature in black ink that reads "Lynn Bloomer".

Lynn Bloomer
Director
Cisco Networking Academy

19 Oct 2023
Completion Date

This certificate is awarded to

Stephan Malobeka

for successfully completing

Partner: NDG Linux Essentials

through the Cisco Networking Academy program.

A handwritten signature in black ink that reads "Lynn Bloomer".

Lynn Bloomer
Director
Cisco Networking Academy

29 Oct 2023
Completion Date

This certificate is awarded to

Stephan Malobeka

for successfully completing

Partner: NDG Linux Unhatched

through the Cisco Networking Academy program.

A handwritten signature in black ink that reads "Lynn Bloomer".

Lynn Bloomer
Director
Cisco Networking Academy

26 Sep 2023
Completion Date