

ALBERT BANDA

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SUMMARY

A talented technology enthusiast with experience in system administration and AWS cloud maintenance and troubleshooting, web development, deployment/hosting, and end-user training. Knowledgeable in managing complicated web-based systems, including Linux and Windows operating systems. Determined to deliver the best technical solutions to meet functional and business requirements. Diligent troubleshooting proficiency, with strong communication skills to convey complex information to all levels of people, in any given situation.

EXPERIENCE

2020/October – 2022/May

System Administrator/Junior Developer, EIH Chiweto, Lilongwe

- Development, support, maintenance and upgrades of new and existing systems.
- Ensured system is available and online at all times by constantly monitoring and resolving any bugs/errors immediately.
- Developed digital surveys and managed the tools and techniques used in the data collection process using ODK successfully.
- Managed and monitored short messaging platform and infrastructure by troubleshooting errors and running intermittent tests.
- Achieved 95% uptime through daily backups and building a resilient infrastructure that withstood failure.
- Undertook and achieved massive system upgrades to already existing systems by rewriting them using newer versions of languages and frameworks.
- Ensured systems are secure and protected from breach by using best security practices and secure protocols and configurations
- Achieved 80% error resolution for any system errors by resolving reported errors within the shortest period possible.
- Responsible for migration of existing systems to AWS Cloud through a backup and lift and shift using CLI, S3 and EC2
- Managed to reduce hosting costs by over 90% by signing up company for startup credits program.
- Responsible for the dual and harmonized deployment of infrastructure from Asura hosting and AWS Cloud simultaneously using DNS configurations for specific records and services.
- Maintenance and troubleshooting of current AWS infrastructure via error reporting and scheduled updates to code.

2022/May - Current

Junior AWS Trainer/ Junior Project Manager GIBT, Ghana, Accra, Remote

- Deliver training in Azubi Africa programs for young African talents in the field of AWS Cloud
- Up-skilled constantly to be able to add value for learners
- Contributed to the constant improvement of training delivery through pedagogical concept, learner engagement, performance tracking and more.
- Contributed to additional project tasks like outreach events, reporting, market research and promo material

2021/December - 2022/May

UNDP Innovate 265 Back-end

UNDP, Lilongwe, Malawi

- Successfully developed and deployed the back-end and API part of an Android application using Laravel and MySQL on an AWS EC2 instance to allow requests from the front-end application.
- Requests to create, delete, get, update and search innovation files consisting of images, documents, videos, text and descriptions are routed to the back-end system where data is stored and logic is managed via route requests and responses.

2022 /April – 2022/July
AgriBizHub Website, LUANAR Agribiz Hub,
Lilongwe

- Successfully redesigned a website for the Lilongwe University of Agriculture's incubation hub using WordPress and various plugins.
- Improved the interface by removing clutter and using updated components, reduced loading times and updated media with ease of management by using a content management system as opposed to hard coding.

2021 /February – 2021/March
Quick Car Sales Online, Quick Car Sales, Lilongwe

- Built web interface to display cars available as well as their details and price as a business process improvement strategy using WordPress
- Responsible for hosting and deployment on a shared hosting platform using migration tools
- 90% uptime through monitoring and maintenance
- 40% boost in sales due to accessibility of the website, being platform independent and indexed to reach a wider audience.
- Improved Search Engine Optimization for better indexing using Google SEO engine

2018 /January – 2019/February
Tutor, Huawei Kids Coding Club, Blantyre

- Collaborated with parents to create tutoring sessions appropriate for student's age by scheduling and creating timetables with content and progression plans.
- Planned lessons by evaluating time vs target skills over the course of the programme
- Created special handouts, study guides and enrichment materials to boost students' knowledge in their own time
- Oversaw web interface project to test the concepts taught and give the children hands-on experience with their first project.
- Successfully taught children and teenagers how to code in HTML and CSS using handouts and in person practical sessions
- Expanded my view on breaking down details and knowledge depth to easily pass information to people with different technical backgrounds.

2020 /December – 2021/March
SMS Platform Web Application, EIH Chiweto,
Lilongwe

- Uses SMSC and API calls to send and receive short messages from registered and unregistered clients and Organizations that are registered
- SMS service for communication
- Tools used are: JavaScript, HTML, CSS and Laravel framework, React, MySQL.
- Managed to build a system that can generate useful reports and downloadable data such as messages sent, organizations registered and export it for further analysis.
- Created simplified environment for clients to reach their users in a much simpler interface using the tools specified.

2013 /November – 2014/April
Shop Clerk, Scozi General Suppliers, Maseru

- Managed sales and purchases books and balance sheet on a daily basis.
- Opened, shelved and merchandised new products in visually appealing and organized displays for optimal sales promotions
- Boosted profits of the shop by tracking every last cent spent and received using a spreadsheet
- Was voted best employee by the owner for multiplying profits by over 70% through inventory tracking and honesty
- Highest paid shop clerk for the duration of my stay

2020 /December – 2022/January
ICT Consultant, Sajdi Consulting Engineering
Centre, Lilongwe

- Troubleshooting, maintenance and installation and upgrade of IT devices and network on an ad hoc basis
- Increased uptime of devices with minor faults by responding to calls as soon as possible with 90% error resolution
- Improved the ICT environment for employees and management alike through recommendation, upgrades and configuration of new and existing devices
- Procurement, planning and delivery of goods and services as requested.

EDUCATION

University of Malawi, The Polytechnic
Bachelor Science (Information Technology)
2015 – 2020

AWS re/Start Graduate
Azubi Africa
January, 2022
[See Credential](#)

AWS Certified Cloud Practitioner
AWS Training and Certification
December, 2021
[See Credential](#)

M&E Using Excel
Data for Development
July, 2021

AWS Certified Solutions Architect Associate
AWS Training and Certification
May, 2022
[See Credential](#)

SQL Basic
HackerRank
March, 2022
[See Credential](#)

Android Development With Kotlin
Pluralsight
November, 2021

Organizational Skills Training
Ahaspora Young Professionals
August, 2021

SKILLS

- | | |
|---|---|
| • HTML, CSS, JavaScript, PHP, Laravel, ReactJS, WordPress | • AWS Cloud |
| • Java, Kotlin, Android | • SQL, MySQL, SQLite |
| • Python, TKinter | • Linux System Administration |
| • Microsoft Office Suite | • ODK Collect, Kobo Toolbox, Kobo Collect |
| • Scripting - Bash, Python | • Version Control - Git and GitHub |
| • Ansible - Beginner | • Docker - Beginner |

AWARDS

- **Second-Class upper-class degree in Information Technology**
- **AWS Certified Solutions Architect Associate**
- **High School Award in English and English Literature**
- **Certificate of Competency in computer studies (Primary)**
- **AWS Certified Cloud Practitioner**
- **AWS re/Start badge**
- **Tony Elumelu Fund Alumni**
- **HackerRank Certificate in SQL (Basic)**