

C/O Wellington Kamanga
Selala Engineering works,
P.O Box 3196,
Lilongwe
02nd October, 2024
0997173276

The University Registrar
Lilongwe University of Agriculture and Natural Resources (LUANAR)
P.O. Box 219
LILONGWE

Dear Sir,

SYSTEM ENGINEER APPLICATION

I am writing to apply for the Systems Engineer position. I hold a Bachelor of Science in ICT (Second Upper Class) and a Diploma in ICT, both from Mzuzu University. Additionally, I have certifications in Data Science. I currently work as a Software Developer at Dividend Group in Lilongwe, where I lead projects under the FInES Project (supported by the World Bank), including MSMEs Digital Learning Systems and an Online Marketing Portal. I also contributed to cooperatives database design and development for the Ministry of Trade and Industry.

Previously, I worked part-time as a Software Engineer for Infocus Technologies, focusing on Finance Realm Loan System Development and Data Migration. I have also volunteered with Computers for Enhanced Education Malawi, contributing to API integration, DevOps, and Web Application Development of their Assets (Computers) stock managements system.

I possess strong analytical, problem-solving skills, and a solid understanding of security protocols, operating systems, databases, and scripting languages relevant to systems operations. I am a collaborative team player and look forward to contributing to your team.

Please find my CV and certificates attached for reference.

Sincerely,

Tobias Caleb Kalagho

PERSONAL INFORMATION

Tobias Caleb Kalagho

📍 C/O Wellington Kamanga, Selala Engineering works, P.O Box 3196,
Lilongwe

📞 +265997173276 📞 +265884214424

✉️ calebkalagho@gmail.com ,kalaghotobias@gmail.com **LinkedIn Profile:**

[Caleb Kalagho](#)

Sex Male | Date of birth 27/06/1994 | Marital Status Single | Nationality Malawian

PERSONAL
STATEMENT

Motivated and dependable, Information and Communication Technology professional with diverse knowledge in programming, systems applications, database and information management

WORK EXPERIENCE

Period	Employing organization and your title/position. Contact information for references	City	Summary of activities performed. relevant to the Assignment
July 2023 – Current	Dividend Group Software developer. Referee : Team Leader ; Emmanuel Ndilowe KB. Dividend Group, Box 2586, Lilongwe. Email ; emndilowe@dividendgroup.mw	Lilongwe	<p>MSMEs Digital learning system in Malawi, project under the Financial Inclusion and Entrepreneurship Scaling (FInES) Project, supported by the Reserve Bank of Malawi and the World Bank:</p> <ul style="list-style-type: none">• Lead Developer in developing and customizing learning management portal Moodle <p>We follow an Agile approach in our implementation, allowing us to adapt swiftly to user feedback and project requirements. In addition to my development role, I am actively contributing to:</p> <ul style="list-style-type: none">• A Digital Training Platform to deliver educational content and resources to MSMEs.• An Online Marketing Portal aimed at improving digital visibility and market access for MSMEs. <p>I have facilitated two consultation meetings so far, where I led system inspection and prototype demonstrations, ensuring alignment with stakeholder</p>

			<p>expectations and driving iterative improvements.</p> <p>Intern Training and Orientation:</p> <ul style="list-style-type: none"> • Providing tutoring and orientation for interns on software development practices and methodologies. <p>Database and System Design</p> <ul style="list-style-type: none"> • Database designer for the Performance Management System, a project funded by Giz for the Ministry of Health, aimed at improving the appraisal process for health employees. <p>Cooperatives Database for the Ministry of Trade and Industry</p> <ul style="list-style-type: none"> • Led the design and development of the system.
<i>Jan-2022 presents</i>	<p>Infocus Technologies Software engineer Part-time-remotely Referee : Chief Executive Officer</p> <p>Mr Mishek Kamuloni Infocus Technologies Malawi Email: kamulonim@gmail.com</p>	Lilongwe	<ul style="list-style-type: none"> • Technology Requirements Analysis and Growth Planning • Project Coordination and Efficiency Improvement • Development and Maintenance of Finance Realm Loan System • Data Migration from Excel to Finance Loan Management System • Design of Data Mass Collection and Analytic Tool
<i>Jan 2023 – Jun 2023</i>	<p>Development of Asset Stock Performance Management System Computers for Enhanced Education Malawi(www.ceemw.org)</p> <p>Position Software Engineer Volunteer – Remote Referee : Chief Executive Officer Mr S. Mtumbuka Computers for Enhanced Education P.O. Box 3063, Lilongwe, Malawi Email: sylvester@ceemw.org</p>	Lilongwe	<ul style="list-style-type: none"> • API Integration and Data Handling • Web Application Development • Quality Assurance and Testing • DevOps and Infrastructure

Bachelor of Science in Information Communication and Technology(Upgrading)

Mzuzu University, Mzuzu (Malawi)

Courses covered.

Modelling and simulation, E-commerce, Artificial intelligence, Algorithms and data structures, Object oriented programming c++, Mobile Telecommunication, Operating systems, Network information, security and administration, Web programming, Business management, Object oriented analysis and design, Information Auditing, Human computer interaction, Distributed systems, Entrepreneurship, System project, Research methods, Project management

05/09/2015–16/05/2017

Diploma in Information Communication and Technology

Mzuzu University, Mzuzu (Malawi)

01/01/2020–15/05/2020

Certificate of completion (complete data science bootcamp online course)

- complete data science bootcamp online course
- Machine learning (Advanced Statistical Methods in Python)

01/01/2009–01/01/2013

Malawi School Certificates of Education

Joel Private Secondary School, Mzuzu (Malawi)

Subject Covered and Scored Grade

Mathematics :2 Physical Science:2

English :4 Agriculture:4 Biology :3 Geography: 3 Social Studies :2

TECHNICAL SKILLS:

1. Proficiency in Programming Languages:

I have experience in **PHP, Python, C++, Java, and C#**, which are critical for system development and automation tasks. My background in web and application development also involves frameworks like **Laravel** and **CodeIgniter** for backend development.

2. **Linux OS Proficiency:**

I possess a strong working knowledge of the **Linux operating system**, including command-line usage, system configuration, and process automation—essential for system administration and engineering tasks.

3. **Proficiency in Scripting Languages:**

I am familiar with scripting languages such as **Bash** and **PowerShell**, which I use to automate system tasks and streamline processes efficiently.

4. **Database Management Systems (SQL, NoSQL, Oracle, MySQL, MongoDB):**

I am proficient in **PostgreSQL, Oracle DB, MongoDB, MySQL, and MS SQL**. I also possess a strong command of **SQL**, enabling me to design, query, and optimize databases effectively to support system functionalities.

5. **System Modeling:**

I have experience creating system models using tools such as **UML** and **SysML**, which help visualize system structures and processes, ensuring efficient system design and documentation.

6. **Experience in Web Development:**

I have worked on various web development projects, utilizing technologies like **PHP, JavaScript, and Python** to design and develop user-friendly websites and web applications.

7. **Proficiency with Project Management Software:**

I am experienced with project management tools like **JIRA, Microsoft Project, and Confluence**, which are crucial for managing system engineering projects and ensuring successful delivery.

8. **Familiarity with Agile, Scrum, or Waterfall Methodologies:**

I am familiar with **Agile, Scrum, and Waterfall** methodologies, applying these frameworks to manage and deliver system engineering projects efficiently and within scope. We use these methodologies in our approach to consultancy tasks.

1. Analytical Skills:

I am capable of analyzing complex information systems and proposing efficient, scalable solutions, which is essential in systems engineering roles.

2. Problem-Solving:

My involvement in software development and IT roles has honed my problem-solving skills, enabling me to address technical challenges effectively.

3. Communication:

My experience in teaching, lecturing, and collaborating with multidisciplinary teams has developed strong communication skills, both written and verbal.

4. Adaptability:

My participation in various projects and roles demonstrates my adaptability and willingness to learn new technologies and skills, making me versatile in diverse technical environments.

5. Training and Knowledge Transfer:

I have a proven ability to simplify complex technical concepts and deliver user-friendly training, empowering teams and individuals (e.g., Sycamore and COFI) to use systems like **Finrealm** proficiently.

REFEREES

Mr Mishek Kamuloni

Chief Executive Officer

Kakupay welthnet finance limited

Cell- +2659940999461,0992046150

Email: kamulonim@gmail.com

Mr S. Mtumbuka

Chief Executive Officer

Computers for Enhanced Education

P.O. Box 3063,

Lilongwe, Malawi

Cell: +265993588548/+265888338296

Email: sylvester@ceemw.org

Emmanuel Ndilowe KB.

Managing Director

Dividend Group,

Box 2586,

Lilongwe.

Email ; ndilowe@dividendgroup.mw

Call : +265 888 71 40 00



Mzuzu University

In accordance with the recommendation of Senate
and by the authority of the University Council

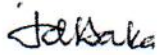
Tobias Kalagho

has been awarded the

Degree of

**Bachelor of Science
(Information and Communication Technology)**


Upper Second Class


VICE CHANCELLOR


UNIVERSITY REGISTRAR

Date: 17th April, 2019

CERTIFIED TRUE COPY
OF THE ORIGINAL


Patrick Kamisa - LLB (Hons) (MW) Dip Law
Senior Resident Magistrate
Commissioner for Oaths
P.O. Box 12, Mzuzu
21-05-20



Mzuzu University

In accordance with the recommendation of Senate
and by the authority of the University Council

Tobias Kalagho

has been awarded the

Diploma in

Information and Communication Technology

Credit

Fredmsiska
VICE CHANCELLOR

[Signature]
UNIVERSITY REGISTRAR

23rd May 2017
Date:

CERTIFIED TRUE COPY
OF THE ORIGINAL

[Signature]
Patrick Kamisa LLB (Hons) (MW) Dip Law
Senior Resident Magistrate
Commissioner for Oaths
P.O. Box 12, MZUZU
21-05-20



THE MALAWI NATIONAL EXAMINATIONS BOARD

This is to Certify that
TOBIAS KALAGHO
of
JOEL (Pvt) SECONDARY
qualified for the Award of a



Malawi School Certificate of Education

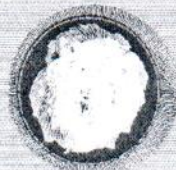
SUBJECTS	GRADE	YEAR
AGRICULTURE	4	2013
BIOLOGY	3	2013
ENGLISH	4	2013
GEOGRAPHY	3	2013
MATHEMATICS	2	2013
PHYSICAL SCIENCE	2	2013
SOCIAL AND DEVELOPMENT STUDIES	2	2013

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Patrick Kamisa
Patrick Kamisa, LL.B (Hons) (MW) Dip Law
Senior Resident Magistrate
Commissioner for Oaths
P.O. Box 12, MZUZU
21-05-20

James Banda

Chairman of the Board




W. H.

Executive Director of the Board

CERTIFICATE NO.: M/2013/21056
CANDIDATE NO.: 00384/0066

DECEMBER 2013

Not valid without a lions head hologram.
This is a secure document using special
papers and inks. Hold up to the light to
verify that the  watermark and the
"GENUINE" embedded thread can be
seen through the paper.

See Conditions overleaf