
Elias Mwewa

10101, Lusaka Zambia | +260952497591 or +260974080091 | elias.mwewah@gmail.com

Summary

I am a driven and innovative professional from Zambia with a background in Business Information Systems and Technology from the University of Lusaka. With exceptional skills in full-stack development, IT consultancy, systems analysis, and project management, I have led the design and implementation of groundbreaking software solutions, notably for mental health screening and management at Zambart Research Center. My diverse expertise also includes database administration, networking, systems administration, and cybersecurity. Passionate about leveraging technology to address real-world challenges, I am dedicated to continuous learning and making a meaningful impact in advancing technology, innovation, and socio-economic development. This dedication and versatility make me a valuable asset for a wide range of roles within the computer science field.

Link to my Linked In profile: <https://www.linkedin.com/in/elias-mwewa-691b061b0/>

Skills

- Technical Support Cloud
- Computing User Experience
- Design Android Software
- Development Organizational Skills
- Performance Evaluation and
- Optimization Web application
- SDLC compliance
- Project Management Agile
- Application Development
- Cybersecurity best practices
- GIT Version Control
- Chatbot Design and
- Development Systems analysis
- Systems administration
- Networking
- Database administration

Working Knowledge in Programming Languages and Development Frameworks

- SQL
- Java and JavaScript
- PHP
- Next JS
- C#.NET / Microsoft ASP.NET
- Flutterflow - Flutter Software Development

Software and Tools

- Cisco Packet Tracer
- Xampp Server
- VirtualBox

Database Management

- MySQL

Chatbot Design

- ManyChat Chatbot Design
- Dialog Flow Chatbot Design

Professional Experience

Consultant Software Developer Zambart, Lusaka, Zambia (Hybrid) August 2023 – 2024 May

- Participated in software field testing to validate the performance of developed projects.
- Designed reusable and reliable code suitable for distributed cloud environments.
- Collaborated with project managers to establish ambitious yet attainable coding milestones during pre-release software project development.
- Improved user experience by designing and implementing user-friendly interfaces across all three developed software solutions.
- Developed three software solutions for Zambart Research Center, including an admin application, a healthcare provider application, and a patient application, catering to desktop, tablet, and mobile platforms respectively.
- Here's a viewable link to the developed application I implemented for the organization:
<https://zenithmentalhealth.flutterflow.app/>

Co-Founder Recursive Tech Solutions, Lusaka, 2023 - Date

- Serve as a co-founder and integral member of the research team, marketing department, sales force, and software development team.
- Developed scalable and maintainable code, ensuring the long-term stability of the software.
- Built databases and table structures for web applications.
- Collaborated with cross-functional teams to deliver high-quality software products on schedule.
- Developed robust, scalable, modular, and API-centric infrastructures.
- A link to our site: <https://recursivetechsolutions.com/Web-Development.html>

Education and Training

Bachelor of Science: Information Systems And Technology

University of Lusaka - Lusaka, Zambia

2019 – 2023

- Graduated with a merit
- Research Project: Mental Problems in Adolescents and people living with HIV/AIDS, Satisfactory - Research Project
- Dissertation: Zenith Mental Health Zambia
- Software Developer, Zambart, Completed 2023
- Data science and software development, Zambart, Completed 2024
- Member of University of Lusaka Tech Club, 2019- to 2022

Certificate: Theology

African Christian University - Lusaka, Zambia

- Awarded a Certificate of scholarly work.

High School Certificate: High School

Twin Palm Secondary School - Lusaka, Zambia

- Awarded a high school certificate from the Zambian government.

Relevant Coursework and Activities

- Cisco Packet Switching and VLAN Configuration: Proficiency in setting up VLANs and implementing security features within networks using Cisco packet switching technologies, enhancing network segmentation and security.
- Network Security and Encryption Techniques: Hands-on experience with different encryption methods like Caesar cipher and Vernam cipher, providing insights into data protection and confidentiality within network communications.
- Virtualization and System Administration: Competence in system virtualization using platforms like VirtualBox and VMware, particularly in
- Windows Server environments. Ability to implement security protocols and enable remote access, ensuring system integrity and accessibility.
- Systems Design and Development: Adeptness in designing and creating various systems, including web applications, websites, and console projects utilizing languages such as PHP, Javascript, C# and SQL.
- Emphasis on documenting the entire development process and applying industry-level project management skills.
- Front and Bankend web development: For frontend; Html, JavaScript, JQUERY, and CSS, and for backend; PHP and C#.Net
- Database Administration: Big data analytics with JDBC, SQL and Excel sheets. Data analytics with Microsoft Access.
- Data Structures and Algorithms: With Java and JavaScript.
- Strategic Information Systems and Data-Driven Decision Making
- Knowledge and practice in generating and evaluating project ideas using data-driven decision-making methodologies.
- Analysis of the viability and profitability of systems by leveraging business strategic information system studies, aligning them with current technology trends.

References

Contact Information:

Dr. Brian Maila:

Position: Senior Registrar at Chainama Hills, affiliated with Zambart

Email: brianmaila34@gmail.com or brian.maila@qut.edu.au

Phone: +260966414116 or +260970414116

Dr. Kwame Shanaube:

Position: Deputy Director of Research at ZAMBART in Lusaka

Email: kshanaube@zambart.org.zm

Phone: +260977827286

Mr. Buumba:

Position: Study Manager at ZAMBART in Lusaka

Email: buumba@zambart.org.zm

Phone: +260977516964

Languages

English:

- Native language
- Bemba
- Nyanja

Interests

- Cybersecurity
- Data analytics