# Meshack .M Masam

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**PROFESSIONAL SUMMARY:**

I am experienced in Information Systems and Security with over a decade of experience, I have had the opportunity to work with many organizations and to specialize in data management, information systems, data security, cloud infrastructure, embedded systems and web development. Throughout my career, I have consistently demonstrated a strong focus on teamwork and collaboration, working with cross-functional teams to achieve a shared goal.

I have worked with clients from different countries in private and public sectors ie. Revenue collection and statistics system for Ministry of Natural resources and Tourism (MNRT portal), Problen Animal Information system (PAIS) for Tanzania Wildlife Management (TAWA) funded by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Information system which is interoperable with other sector specific information systems belonging to the ministry of tourism and natural resources Ministry of Natural resources and Tourism (MNRT Bi), Revenue collection and statistics system for Ngorongoro Conservation Authority Area (NCAA), Payment platform for funds disbursement, bills and payment for C.M. Corporation Angola (CMC) .

I remain committed to teamwork, been a quick leaner and staying up-to-date with emerging technologies and industry best practices to ensure that I can deliver the best possible solutions.

**AWARDS AND EDUCATION:**

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| **2023** | **LIAONING UNIVERSITY OF TECHNOLOGY**<br>Bachelor's Degree in Computer Science |
| **2022** | **SHANGHAI BUSINESS SCHOOL**<br>Chinese Collegiate Computing Competition - 2rd place |
| **2014** | **APTECH COMPUTER EDUCATION**<br>Diploma in Information Systems Management |
| **2014** | **APTECH COMPUTER EDUCATION**<br>Certificate in Information System Management |
| **2009** | **WAZALENDO SECONDARY SCHOOL**<br>Certificate of Secondary School |

**EXPERIENCE:**

**1, Nov 2016 - PBM Technology (T) LTD**
PBM Technologies Tanzania Limited Website.
I designed, developed and hosted the website for the PBM Technology Company on the company inception, i applied modern technologies which includes PHP, HTML, Javascript and Apache as a hosting server, i also worked on cloud infrastructure for shared hosting platform offered by the company..
**Technologies:** PHP 5, HTML, Javascript, CSS, MySQL, Yii Framework, Apache2.

| URL: http://pbmtechy.com | Contact: Baraka kalinga (PBM CEO) - +255 714 989 216 |
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**28, Feb 2016 - PBM Technology (T) LTD**
PMM ESTATES 2001 LTD Website.
As a PBM Software Architent, I developed and hosted PMM ESTATE website using Yii framework which includes PHP, HTML and Javascript, which is hosted on apache2 web server.
**Technologies:** PHP 5, HTML, Javascript, CSS, MySQL, Yii Framework, Apache2.

| URL: http://pmmicd.co.tz/ | Contact: Baraka kalinga (PBM CEO) - +255 714 989 216 |
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**30, Sep 2023 - PBM Technology (T) LTD**
MUAKILISHI Website.
Muakilishi website is a content site which provides daily trending news on different topics, the website is built on Yii2 framework which includes PHP, HTMl, MYSQL and is hosted on apache2 web server, It also include a content management system for publishers to publish, evaluate and report.
**Technologies:** PHP 5, HTML, Javascript, CSS, MySQL, Yii Framework, Apache2.

| URL: http://muakilishi.com | Contact: Baraka kalinga (PBM CEO) - +255 714 989 216 |
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**16, Jan 2017 - 10, Mar 2017 - PBM Technology (T) LTD**
Ngorongoro Conservation Area Authority Web Portal Payment System with Banking integration.
As a PBM Software Architent, i worked on Safari Portal, which is a Ngorongoro Conservataion Area Authority Payment Collection System, developed using ASP.NET MVC 5, IIS and Windows Server 2012 technologies. The aim of the project was to design, develop and also integrate the portal with the Bankinig payment services and Advance Account Package.

| URL: [Safari Portal Introduction](Safari Portal Introduction) | Contact: Baraka kalinga (PBM CEO) - +255 714 989 216 |
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**16, May 2016 - 09, Jun 2016 - PBM Technology (T) LTD**

RGS Company Website

As a PBM Software Architent, My role was the implementation of RGS Company website. The technologies used in the development of the website included PHP 5, MySQL, Rest API, and the Yii Framework.

| URL: [Safari Portal Introduction](Safari Portal Introduction) | Contact: Baraka kalinga (PBM CEO) - +255 714 989 216 |
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**28, Mar 2016 - 26, Jun 2016 - C. M Corporation Angola.**

Minha Carteira & Pague Payment Plaform.

Between March and June of 2016, i was working as a member of C.M. Corporation Angola, i was involved on software development, software testing and network equipment setup for Minha Carteira and Pague payment platforms. Minha Carteira and Pague applications are implemented on mobile apps, web apps and USSD tilizing technologies such as SQLite, Java, Rest API, and Android API, iOS, Swift and kannel gateway for USSD to offer payment services for for private and public stakeholders in Angola.

Here are the roles i was involved in.

1. Development of Minha Carteira Digital Wallet Android App for Android Devices offering payments for airtime, bill payment and money transfer, using SQLite for on device data storage, Java for android application implementation, Rest Api for data exchange.
   URL**:** [https://play.google.com/store/apps/details?id=com.cmcinternet.minhacarteira](https://play.google.com/store/apps/details?id=com.cmcinternet.minhacarteira)
2. Development of Paguei Digital Wallet Android App for Android Devices offering payments for airtime, bill payment and money transfer, using SQLite for on device data storage, Java for android application implementation, Rest Api for data exchange.
   URL**:** [https://play.google.com/store/apps/details?id=com.cmcinternet.paguei](https://play.google.com/store/apps/details?id=com.cmcinternet.paguei)
3. Development of Minha Carteira Digital Wallet for iOS Devices offering payments for airtime, bill payment and money transfer.
4. MoF(Disbursement & Collections Tracing), The MoF project focused on conducting an assessment, designing a solution, and partnering with the national payment hub to develop a platform that facilitates efficient disbursement and collection of funds for ongoing projects, The project was developed using PHP, Yii Framework, MySQL and BASH
5. The SMART SMS Client Bulk SMS Application project involved the assessment, solution design, and development of a bulk SMS application capable of supporting multiple clients and internal credits. The project was developed using PHP, Yii Framework, SQL & MySQL, IIS, and Windows Server 2012. The application was designed with a billing feature to facilitate payment transactions for clients.
6. Minha Carteira Web Application involved creating a digital wallet that allows users to make payments for airtime and bills, check their wallet balance, and transfer money directly from their browser. The web application was developed using web technologies and is compatible with Android, iOS, and web platforms, offering users flexibility and convenience in managing their payments and transactions.

| | Contact: Kenedy Mbwette (KMH)  +255 713 564 333 |
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**Mar 2018 - 29, Nov 2018 - KMH Co. Tz.**
**Project Title**: CashX Mobile Money Platform
**Role Performed:** Implementation and Setups/Training/Testing/Customization.
**Technologies:**PHP 5, MySQL, SQLite, Java, Rest API, Android API 15
**Project Description:** Implementation of an android application.

| | Contact: Kenedy Mbwette (KMH)  +255 713 564 333 |
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**31, May 2016 - 20, Jun 2017 - KMH Co. Tz.**
**Project Title**: E-Maktaba Application and Plagiarism Application
**Role Performed:** Implementation and Setups/Training/Testing/Customization of E-Maktaba and Plagiarism Application.
**Technologies:**PHP 5, Yii and Codeigniter Framework, Rest API, MySQL.
**Project Description:** Implementation of E-Maktaba and Plagiarism web application.

| URL**:** http://emaktaba.co.tz/ | Contact: Kenedy Mbwette (KMH)  +255 713 564 333 |
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**23, Jul 2020 - 27, Jul 2021 - KMH Co. Tz.**
**Project Title**: Droplet Point of sales for retail businesses, restaurants, bars, franchises and quick-serve businesses.
**Role Performed:** Implementation and Setups/Training/Testing/Customization.
**Technologies:**Nextjs, ReactJs, NodeJS, MySQL

| URL: https://pos.urlnk.co/ | Contact: Kenedy Mbwette (KMH)  +255 713 564 333 |
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1/12/2017-19/01/2018 - **Dephics Co. Ltd**
**Project Title**: Makato Android Application
**Role Performed:** Implementation and Setups/Training/Testing/Customization.
**Technologies:**PHP 5, MySQL, SQLite, Java, Rest API, Android API 15
**Project Description:** Implementation of an android application.
**Project URL:**https://play.google.com/store/apps/details?id=com.makato.makato
**Contact Person:** Mwasapo Kihongosi  - +255 752 030 032

| URL: https://play.google.com/store/apps/details?id=com.makato.makato | Contact: Mwasapo Kihongosi  - +255 752 030 032 |
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**15, Sep 2020 - 13, Jan 2021 - Cornwell Tanzania LTD.**
**Project Title**: Cornwell Tanzania Site & Blog
**Role Performed:** Implementation and Setups/Training/Testing/Customization.
**Technologies:**Nextjs, ReactJs, NodeJS, MySQL

| URL: https://cornwelltanzania.com/ | Elizabeth Lema (Cornwell Tanzania) - +255 626 888 111 |
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**05, Jan 2021 - 21, Dec 2021 - KMH Co. Tz.**
**Project Title**: EFD Management System (EFDMS) Development.
**Role Performed:** Implementation and Setups/Training/Testing/Customization.
**Technologies:** NodeJS, MySQL

| URL: https://vfd.urlnk.co/ | Kenedy Mbwette (KMH) - +255 713 564 333 |
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29/03/2019-13/05/2019 - **Masam Technologies LTD.**
**Project Title**: Problem Animal Information System (PAIS)
**Role Performed:** Implementation and Setups/Training/Testing/Customization.
**Technologies:** JAVA Android Mobile, PHP, Postgresql, NGINX, Angularjs

| | Elizabeth Lema (CEO) - +255 763 578 057 |
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2022 - **Masam Technologies LTD.**
DEBA Business
Business Management Platform project aims to develop a comprehensive web-based platform that provides a range of essential business management tools and services to small and medium-sized enterprises (SMEs).
The platform offers

- Customizable billing system that allows businesses to create and send invoices, receive payments, and track their financial transactions.
- POS system that enables businesses to process sales transactions, manage customer orders, and generate real-time sales reports.
- Inventory management system that helps businesses track their stock levels, manage orders, and optimize their supply chain operations.
- StoreFront with the ability to create and manage their own online store, including customizable storefronts, secure payment processing, and integrated shipping and logistics services.
- Project and task management tools that enable businesses to manage their workflow, assign tasks, track progress, and collaborate with team members.
- Shared web hosting service that allows businesses to host their web apps and websites on the platform, with easy deployment and maintenance features.

**Technologies**:Nextjs, ReactJs, React Native, NodeJS, MySQL, MongoDB, RustLang

| URL: https://deba.co.tz/ | Elizabeth Lema (CEO) - +255 763 578 057 |
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**TECHNICAL SKILLS:**

**Programming Languages**: I have experience with Rust, Go, C/C++, C#, Visual Basic, VB.Net, Python, and Java for developing software applications and building complex systems. Also experienced in Embedded systems programming for developing firmware and microcontroller-based applications.

**Web Development**: Strong knowledge of HTML, XHTML, XML, CSS, and JavaScript for creating user interfaces and developing dynamic web pages. Also experienced in PHP, NodeJS, React Native, and Swift for web application development and mobile apps.

**Monolithic & Microservices Architecture**: Skilled in designing and developing monolithic and microservices architectures using Docker and Kubernetes deployment, this allows both vertical and horizontally scaling.

**Cloud Computing Architecture**: Experienced in cloud computing technologies such as Gcloud, Amazon Services, and Alibaba Cloud for building and managing cloud-based applications and services.

**Database Management**: Experienced in managing various database systems such as Ms Access, MySQL, Microsoft SQL Server, PostgreSQL, Jasper Reports, and PostGIS. Capable of designing data warehouses and creating monitoring and evaluation tools through DHIS2, RapidPro, and U-Report.

**Operating Systems**: Experienced with Windows Server and UNIX/Linux systems administration for efficient and secure network management.

**Networking**: Worked with LAN technologies, client-server, peer-to-peer, dial-up networks, and TCP/IP protocols for building and maintaining network infrastructures. Also experienced in VoIP.

**Graphics and 3D Rendering**: Experienced in OpenGL graphics for creating 3D environments, animations, and simulations.

**Software Development**: Familiar with software development methodologies, including Agile and Waterfall, and experience in developing software applications using .NET and .NET Core frameworks.

**Directory Services**: Experienced in Samba and Windows Active Directory for managing user authentication and authorization.

**Computer Maintenance and Repair**: Capable of diagnosing and fixing hardware and software issues, including installation, configuration, and troubleshooting of various computer systems and peripherals.

**Internet Programming**: Knowledgeable in web design technologies such as HTML, CSS, and JavaScript, as well as web application development using NodeJS, React Native, and PHP.

**Security**: Proficient in security tools and technologies and experienced in ethical hacking and penetration testing. Familiar with HackTheBox platform for practicing and enhancing security skills.

**REFEREES:**

Mr. Mtani L. Yangwe
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