

JOSHUA KIPROTICH MUTAI

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ICT Consultant, Full-Stack Web Developer, Computer Science Lecturer

PROFESSIONAL SUMMARY

A Meticulous academic professional seeking an Educator role in which to apply knowledge of learning Information Technology, systems, Computer Sciences. Known for implementing innovative teaching and learning methods to increase student engagement. Aiming to leverage 6+ years as accomplished Computer Technology Engineer and 3 years of academic experience to drive student growth and participation. My aim is to go Full-Time Academia.

SKILLS

- I have expertise Practice & Teaching Oracle, Mysql and MS SQL Server DBMS.
- I have Competency in Training and Practicing Web Programming (PHP, HTML5, CSS3, Bootstrap, Semantic UI, Nodejs, RESTful Services, e.t.c).
- Other skills that I have include: Managing Projects & Relationships, leading & working in teams, e.t.c.
- Training and Innovative Teaching and Learning Methods

WORK EXPERIENCE

- | | |
|---------------------|---|
| Sep 2019 - Current | Part-Time Lecturer <i>Laikipia University / Nyahururu</i> |
| | Part-Time Lecturer, Lecture planning, preparation and research teaching it undergraduate and diploma courses Assessment of students' coursework Supervision of students' projects Engage with the broader scholarly and professional communities |
| May 2018 - Current | Part-Time Lecturer <i>Kabarak University / Nakuru</i> |
| | Part-Time Lecturer, Lecture planning, preparation and research teaching it undergraduate and diploma courses Assessment of students' coursework Supervision of students' projects Engage with the broader scholarly and professional communities |
| Sep 2013 - May 2018 | IT Project Manager <i>Micrologic Software Technologies / Nairobi</i> |
| | Led planning and deployment of financial ERP systems, Managed phases of ERP deployment projects by ensuring time, scope and budget are kept. Managed relationship with clients. Created and maintained project documentation. Led development and deployment of project teams, Organized and administered trainings and seminars. Led incident response team. |
| 2011 - 2013 | Support Engineer <i>Micrologic Software Technologies / Nairobi</i> |
| | Supported and maintained data and database systems to meet clients' business delivery requirements, Ensured data integrity was maintained during and after data migration between systems, Supported roll-out of new application upgrades, Member of incident response team, Frontline technical support engineer. |

2010 - 2011

Full-Stack Web Developer *Ekom Data Limited / Nairobi*

Developed, tested and deployed efficient web applications. Designed Frontend website layout and user interfaces by using standard HTML/CSS practices. Coded backend with PHP, PHP Laravel and MySQL. I was also responsible for maintaining, expanding, and scaling company as well as Clients' websites.

2019

INTERNSHIPS

1. **Circuit Business Systems** (June-Dec 2009) */ Nairobi*
 - Structured cabling and Configuration of Active devices

2. **Kenyatta University ICT Directorate** (Jan-May, 2009) */ Nairobi*
 - PC Repairs, Maintenance and End-User Support

ICT AUDITS AND CONSULTANCY SERVICES

September 2019

- **ERP Implementation for Fortitude Sacco Society, Mbita**
 - Guided Selection, implementation and commissioning of a Sacco ERP system for the Sacco.

August 2019

- **ERP Implementation for Ilkisonko Sacco Society, Loitokitok**
 - Guided in setting criterion for identification, selection and implementation of suitable Sacco ERP, Oversaw the implementation process to success, Used Database skill to prepare data for migration from old ERP while maintaining integrity.

April 2019

- **ERP Implementation for Kipsigis Edis Sacco Society, Bomet**
 - Guided in setting criterion for identification, selection and implementation of suitable Sacco ERP, Oversaw the implementation process to success, Used Database skill to prepare data for migration from old ERP while maintaining integrity.

January 2019

- **ICT Audit for The Apple Sacco Society, Kapsabet**
 - Participated in audits as per required methodology, Performed and documented all tests as per professional standards, Analyzed and identified risk issues in processes and reported to management.

November 2018

- **Data Migration for Simba Chai Sacco Society, Kericho**
 - Contracted to assist in automated migration of data from MySQL in old ERP to Microsoft SQL Server used by new ERP

Remuneration

- **Current Salary:** Average Ksh.100,000 from private engagements, farming and teaching combined.
- **Expectation :** Ksh. 150,000

EDUCATION

- May 2019 - Current
 - **Doctor of Philosophy (PhD)** *Kabarak University | Nakuru*
 - Continuing education in Information Technology Security and Audit.
- 2016 - 2018
 - **Master of Science (MSC)** *Kabarak University | Nakuru*
 - Graduated with Msc in Information Technology Security and Audit.
 - **Thesis:** A Model to determine Risk Exposure Index among Savings and Credit Cooperative Societies in Kenya.
- 2004- 2009
 - **Bachelor of Science (BSC)** *Kenyatta University | Nairobi*
 - Graduated with Bsc in Computer Engineering.
- 1999- 2002
 - **Kenya Certificate of Secondary Education (KCSE)**
 - Londiani High School
 - Mean Grade: A- (Minus)

Research & Publications

- 2019
 - 1. Mutai, J. & Masese N. (2019). A model for assessing Security Risk Exposure in Savings and Credit Cooperative Societies. *International Journal of Business & Management*. Vol. 7, Issue. 8, ISSN2321–8916”
- 2018
 - 2. **Msc. Research Thesis:** Study on Savings and Credit Cooperative Societies to establish levels of exposure to cyber security threats, which lead to a successful design of a model to mitigate the risks (2018).
- 2017
 - 3. Mutai, J. (2017). Assessing Security Risk Exposure in Kenyan Savings and Credit Cooperative Societies using a Web Based Model to Compute Security Risk Exposure Index. *Mara Res. J. Comput. Sci. Inf. Secur.* Vol. 2, No. 1, Pages 74 - 83, ISSN 2518-8453”
 - 4. **Other Research Interests:** Integral Security of Software systems, IOT Security, blockchain Technology

INNATIVATIVE METHODS APPLIED IN LEARNING

- As a Part-time lecturer I have developed an online platform which enables me to share content with students. Students can login access content relevant to their courses. Platform accessible through my website; www.jmutai.com.

REFERENCES

1. **Mr. Julius Koome**, Director, Ekom Data Limited
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2. **Eng. Langat Zakayo Kipkurui**, Consulting Engineer, Otieno Odongo & Partners
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3. **Eng. Joshua Kilele**, Technical Director, Hooves Support Limited
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