

## Curriculum Vitae

**Current Employer:** University of Nairobi  
**Name of Staff:** Benard Nzyoka Mutisya  
**Profession:** Information and Communications Technology  
**Nationality:** Kenyan  
**Email address:** mnmutisya@uonbi.ac.ke

### **Key Relevant Qualification:**

**Mr. Mutisya** has Master of Science degree in Applied Computing from the University of Nairobi and holds a Bachelor of Science in Computer Science from Kenyatta University Kenya. Currently he works with the University of Nairobi as a Chief Information Communications Officer. His core duties include Information systems implementation and supervision, Customer Experience support, development and maintenance of University of Nairobi Systems. More specifically: To analyze, design, construct, implement, maintain and support information systems on varied platforms in line with the established software systems standards.

**Expertise:** Customer Experience, Elicitization and Formalization of System Requirements, User Centered system analysis and design; User support Management; Software project management, Software Project Proposal writing, Software evaluation, Database design and system integrations among others.

### University Education:

University Education	Specialized Studies	University Attended	Degrees Obtained
Msc Applied Computing	Applied Computer Science	University of Nairobi	Pass
BSc. Computer Science	Computer Science	Kenyatta University	Second Class (Upper Division)

### Secondary and Primary Education

Name of School	Programme	Grades
Magadi Soda Secondary	KCSE	Pass
Kitongi Primary School	KCPE	Pass

### Employment Details:

#### The University of Nairobi:

While at the University, I am directly involved with a team tasked in the Planning, Supervision, development, implementation and support of various systems in the university .

#### Duties Included:

- ✓ To identify whether or not there is the need for a new system to achieve University strategic objectives by conducting feasibility study and coming up with a report findings (Feasibility study report).
- ✓ Design, Develop, implement and deploy University of Nairobi management information systems.
- ✓ Identify functional requirements of projects or solutions by analyzing the needs of the end users to ensure the new system meets their expectations; some of tools I use; CASE (Computer Aided Systems/Software Engineering) Requirements gathering and Structured analysis
- ✓ Converting project requirements work flow information into computer systems. Most projects were undertaken using PHP Language and MySql and Oracle databases
- ✓ Confirm project requirements by reviewing program objectives, input data and output requirements with team members, analysts and project leaders

- ✓ Analyzing project requirements by preparing a work flow diagrams, Data flow diagrams, Entity relationship models, Uml Diagrams etc.
- ✓ Evaluation of other software integrators with our systems; e.g. KCB for the online payment API, Barclays Bank for Student fees collections and Biometrics LTD for Students biometric system.
- ✓ Provide end to end Integration of students management Information systems with Banks and provision of an e-commerce portal for payment of school fees and other university
- ✓ Ensuring systems security through software testing and validation
- ✓ Preparing user reference manuals and systems operating instructions.
- ✓ Conduct User training, systems support and maintenance

### **Miben IT Solutions:**

#### **Duties included:**

Job duties typically included planning and implementing security measures to protect computer systems, networks and data. Some specific tasks undertaken;

- ✓ Performing risk assessments and testing of data processing systems
- ✓ Training staff on network and information security procedures
- ✓ Other than being in the security I also played a key role in the design and analysis of client's projects. Some of the tasks included
- ✓ Requirements gathering and producing specifications for new or modified systems
- ✓ Conducting requirements analysis and preparing specific proposals for modified or replacement systems;
- ✓ liaising with other IT staff such as programmers to develop and implement user centered clients systems

### **Parity IT Consultants:**

Projects undertaken and clients served includes: Kenyatta University Management System (UNIPLUS) and Human Resource Management system for Kenya anticorruption and financial ERP, Siege ACCPAC. Several installations for the same systems were also customized to other institutions including Kenya Forest Institute (KEFRI), Moi University, Cooperative College, Egerton University, Liakipia Campus etc.

**Duties included:**

- ✓ Analyzing clients' existing systems and business models;
- ✓ Mapping and documenting interfaces between legacy and new systems;
- ✓ translating client requirements into highly specified projects through custom systems for different users;
- ✓ Developing solutions and related products using different programming languages and different database engines.
- ✓ working closely with colleagues, developers, testers and a variety of end users to ensure technical compatibility and user satisfaction;
- ✓ involved in data preparations and migrations during integrations and installations;
- ✓ Drawing up, supervising and documenting testing schedules for complete systems;
- ✓ overseeing implementation of a new system including data migration and system integrations;
- ✓ supporting users on change control and system updates;
- ✓ providing training and user manuals to users for system;

**Interests:** Research, Biking, Reading, singing and travelling

**SOFTWARE PLATFORMS LEARNED AND SKILLS**

I have hands on skills in: different programming languages both Object Oriented and structural, Data analysis, Problem Solving, Data preparation and migrations, Software Algorithm Design, Software Performance Tuning, Attention to Detail, Software Design, Software Debugging, Software Testing and Software Documentation.

**Programming Languages:** Visual Basic.Net, PHP, Ruby, Python, JavaScript, HTML, Java, Visual Basic 6.0, C++ and C

**Software tools and IDEs:** Beyond Compare, GIT, Notepad+++, Net beans, and PHP storm

**Programming Frameworks:** DotNet, ZEND, Yii 2.0 and 1.0, Slim

**Database Management Systems:** Mysql, Oracle, Mongo, Ms Access, and Microsoft SQL Server

**Applications:** Microsoft Office Suite, Crystal Reports, Macromedia Suite, Microsoft Visio, Microsoft Project, Photoshop, Developer 2000 tools, SOAP and REST APIs and Web Browsers

**Operating Systems:** Windows XP, Vista, Windows 7, windows 10 and Linux