

MURIUKI MOSES MUNDIA

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PERSONAL DETAILS

Nationality: **Kenyan**
Marital status: **Married**
Date of Birth: **8 March 1981**
National ID: **22873108**

CAREER FOCUS

- Focus on Programming with special interest in developing my skills in web programming, databases and mobile phone application development for the internet.
- Pursuing a Master of Science in Computer Science concentrating on Distributed Data Management Systems. I plan to apply the experience and knowledge learnt to any visionary organization with sound corporate leadership.
- My objective is to utilize my academic & professional qualifications and credentials, as well as abilities for the benefit of any organization, society as a whole and for my personal satisfaction.

PROFILE

Confident, trustworthy, team player, reliable, ambitious, hardworking person, committed to achieving my goals, good command of verbal communication, computer and organizational as well as leadership skills.

EDUCATION / TRAINING

27TH and 28TH NOV 2012: INTERNATIONAL AIDS VACCINE INITIATIVE (IAVI), NAIROBI

- Good Clinical Practice (GCP)

30TH JAN 2012 - ONGOING: University of Hertfordshire, United Kingdom

- **MSc. in Computer Science**
- Concentrating in **Distributed Data Management**

26TH SEP - 7TH OCT 2011: REGIONAL EAST AFRICA CENTRE FOR HEALTH INFORMATICS (REACH - INFORMATICS)

1. Web page development.
2. Medical & Health Informatics.
3. Programming in OpenMRS.
4. Java programming.
5. OpenMRS Development Environment.
6. Android development environment.

AUGUST 2011: ST. JOHN AMBULANCE KENYA

- Life Saver International First Aid Course

5TH NOVEMBER 2010 - INTERNATIONAL AIDS VACCINE INITIATIVE (IAVI), NAIROBI

- Good Clinical Practice (GCP)

3RD – 25TH AUGUST 2010 – DATAWORKS DEVELOPMENT INC.

- **Freezerworks Unlimited**
 - ✓ **Data Import & Export**
 - ✓ **Moving Samples and Groups & Security**
 - ✓ **User Defined and Other Reports**
 - ✓ **Backup & Restoration**

15TH – 16TH APRIL 2010 – KENYA AIDS VACCINE INITIATIVE (KAVI), NAIROBI

- Good Clinical Laboratory Practice (GCLP)

7TH DECEMBER 2009 – NATIONAL INSTITUTES OF HEALTH (NIH)

- Protecting Human Research Participants (Web-based training)
- Renewed on 6th May 2013

30TH – 31ST JULY 2009 – INTERNATIONAL AIDS VACCINE INITIATIVE (IAVI), NAIROBI

- Good Clinical Practice (GCP)

29TH JULY 2009 – KENYATTA NATIONAL HOSPITAL PAEDIATRIC DEPARTMENT

- Instrument and Software training of the ImmunoSpot Series 4 ELISPOT

**22ND – 24TH JUNE 2009 – MEDICAL RESEARCH COUNCIL
LABORATORIES – THE GAMBIA**

- Data Management Program Training

**2ND – 6TH FEB 2009 – REGIONAL CENTRE FOR MAPPING OF
RESOURCES FOR DEVELOPMENT**

- Certificate in DATABASE & GIS (GEOGRAPHIC INFORMATION SYSTEMS)

NOV 2008 – INSTITUTE OF ADVANCED TECHNOLOGY (IAT), Nairobi

- Certificate in SPSS (Statistical Package for Social Scientists)
- **GRADE: A**

September 2003 - March 2008 - Kenyatta University (KU), Nairobi

- Bachelor of Science, Software Engineering
 - **GRADE: UPPER SECOND CLASS HONOURS**
- Concentrations: - Programming (Software Development) & Management

2002 – INSTITUTE OF ADVANCED TECHNOLOGY (IAT), Nairobi

- International Computer Driving License 1 and 2 (ICDL 1 and ICDL 2)

WORK EXPERIENCE

UNIVERSITY OF NAIROBI – KENYA AIDS VACCINE INITIATIVE (KAVI)

Position: IT-Data Manager

Start Date: 3RD CTOBER 2011

Responsibilities

- IT-Data department budget management.
- Preparing of Data management SOP's (Standard Operating Procedures) to ensure integrity and cleanliness of data collected.
- Systems development.
- IT support; network management, user support and training.
- Review incoming data for accuracy and consistency and resolve data discrepancies.
- Data extraction and merging from the different project data input sources.
- Organizing questionnaires that require clarifications and generate QC reports.
- Website development and management.
- Recommending data management improvement tools, software design and programming.
- Producing of timely reports as required and undertaking basic statistics process when need arises.
- Organization and documentation of a project data inventory.
- Ensuring data security and implementing backup procedures.
- Facilitating data retrieval as requested by the Principal Investigator.
- Supervision and training of Data entry clerks.
- Supervision of students on attachment.

Achievements

- Documentation of the data and system database procedures as SOPs.
- Implemented a cloud based biometric finger print system and trained users.
- Training of lab and clinic staff on use of the respective systems.
- Staff E-mail configuration on the 2003 windows server.
- Configured and tested an SMS system pending implementation after funding approval.

- Carrying out timely system backups.
- Have managed to supervise and work with 3 data entry personnel.
- Have supervised and trained 4 students on attachment.

**UNIVERSITY OF NAIROBI - EUROPEAN AND DEVELOPING
COUNTRIES CLINICAL TRIALS PARTNERSHIP (EDCTP)**

Position: Data Manager / Programmer Trainee

Start Date: 1ST JUNE 2009

Responsibilities

- Developing data management systems as per user requirements.
- Sourcing for quotations and Quote analysis.
- Advice on IT requirements and hardware and software specifications.
- Database development and management.
- Developing Standard Operating Procedures (SOPs) and system manuals.
- Maintaining the Application and Web servers.
- Assisting users with network problems.
- Supervising data entry clerks.
- Conducting data quality control and quality assurance.
- Perform data backup and storage, system upgrades and updates.
- Data backup.
- Preparation of weekly and monthly reports.
- Appointed to join the website development committee by the Chairman Microbiology department.

Achievements

- Installation and Configuration of the Study data system which is OpenClinica & FreezerWorks Client.
- Documentation of the data and system database procedures as SOPs.
- Procurement and generation of 2D bar-coded Labels for participant visits.
- Training of lab and clinic staff on use of the respective systems.
- Staff E-mail configuration on the 2003 windows server.
- Carrying out timely system backups.
- Creation of a mirror database from Openclinica (main study database) for view in a secure environment.
- Developed / programmed a system that captures data in Excel documents.

**NETWORK OF AIDS RESEARCHERS OF EASTERN AND SOUTHERN
AFRICA (NARESA)**

Position: IT Support Specialist, Data Mgt Assistant

Start Date: December 2007 to 31st May 2009

Responsibilities

- Reporting to Head of IT Section and Data Analyst / Manager, providing technical support to Windows XP end-users and Verification of data.
- Visual checking of collection tools before data entry.
- Initial Data Verification and Validation.
- Coding of new sites and other variables.
- Entering data into KEPMS for purpose of reporting to PEPFAR (Presidential Emergency Plan for AIDS Relief, Prevention and Care).
- Any other assignment by the Principal Investigator as the need arises.

Achievements

- Helped in designing and implementing a new tool (tally sheet) for collecting patient data from the field, i.e. in provincial and district hospitals.
- Involved in analyzing a PDA data collection system for the organization.
- Carried out presentations of new tools with an aim of educating health workers on the importance of the mentioned tools while at the same time collecting views about the current and previous tools.
- From the views collected, successfully recommended and incorporated a data collection process that had previously been left out leading to shortages in data collection statistics leading to creation and implementation of an EID (Early Infant Diagnosis), creation of a database system and generation of reports using SPSS (Statistical Program for Social Scientists).
- Planning on educating health workers on proper record keeping, maintenance, and report extraction and executing the plan.

KENYATTA NATIONAL HOSPITAL (KNH)

Data Collection - May 2007

Responsibilities

- Data Collection.
- Learn their Manual System so as to computerize it as my final year project

Achievements

- Managed to collect the required data on time.
- Understood how the different departments run in the hospital and was able to develop and test my final year project with what I got.

KENYA POWER & LIGHTING COMPANY (KPLC)

Internship - 4th July to 15th September 2006

Responsibilities/ Activities

- Reporting to the Senior IT Systems Analyst, providing 1st level technical support to Windows 95 and XP end-users at KPLC Stima Plaza.
- Installation and troubleshooting of hardware and peripherals, software and operating systems.
- Sharing knowledge and skills with IT Support team and liaising with the other ICT department members to resolve problems promptly and efficiently to end-users satisfaction.
- LAN and local mail management.

What was Learnt

- System Development
- Windows NT Administration
- Windows NT Network Environment
- Microsoft Exchange Server
- SAP Administration
- UNIX
- ADABAS Administration

Projects Involved In

I was involved in the discussions to create a web site for KPLC employee information which was to run on the companies' intra-network.

I also attended SAP upgrade meetings for the better initial discussions.

Achievements

Achieved an understanding of systems in the company, the management process, development process, and how systems interlinked with each other at some point.

NETWORK OF AIDS RESEARCHERS OF EASTERN AND SOUTHERN AFRICA (NARESA)

IT Support Specialist, Data Entry - February 2005 to 2006

Responsibilities

Reporting to Head of IT Section and Data Analyst, providing technical support to Windows XP end-users and Entry of Patient Lab data and PMTCT data from the head Office and the lab in KNH.

Achievements

Cleared with entry of all the backlog data from previous years.

KEY SKILLS AND QUALITIES

- Excellent written and oral communication skills.
- Good interpersonal and analytical skills.
- Team player and good leadership qualities.
- Ability to organize and coordinate activities.
- Strong belief in company loyalty and professional integrity and support a superior work ethic.
- Logical thinking and ability to determine overall picture aid in making decisions and problem solving.
- A strong leadership model and positive attitude that motivate others to higher levels of performance.
- Follow-up and follow-through to ensure positive outcomes.
- Readiness to accept change and embrace new ideas that illustrate flexibility.
- Friendly, personable, yet professional demeanour.

LANGUAGES	SPEAKING	READING	WRITING
English	Excellent	Excellent	Excellent
Kiswahili	Excellent	Excellent	Excellent

SUMMARY

- Programming applications in
 1. Android Programming (Mobile phone applications)
 2. C++ & C
 3. Visual Basic
 4. Pascal & DELPHI
 5. HTML, JavaScript, PHP (most versions), SQL and Some exposure to using JAVA, Java Server Pages (JSP) and Applets.
- Expertise in database programming using SQL, and client/server technologies on
 1. Microsoft SQL Server
 2. Microsoft Access
 3. MySQL databases (Open source).
 4. PostgreSQL database (Open source).
- Expertise in Apache, Tomcat, and Web Developer Controller, and WAMP application, IIS (Internet Information Services) and web servers.
- Thorough knowledge of the operating systems: Microsoft Windows XP, and exposure to Linux.
- Web design skills, good feeling for a well-designed and functional user interface.
- Deep knowledge and practical use of object oriented programming techniques, component-based programming, and design patterns.
- Ease and speed of mastering any new programming languages / techniques required, as proven during the changing project responsibilities in the past years (final year project).

INTERESTS AND HOBBIES

- Watching science documentaries
- Interacting/sharing with young people
- Reading inspirational & fiction novels / books
- Visiting wild animal parks and traveling
- Listening to music