

Leonard Kirui

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39000
Eldoret

Summary

Database Administration and Management;

I am skilled in designing and managing of databases on MYQL and Oracle, monitoring performances, scheduling backups, update and securing.

Web Design and Development;

I am skilled in designing and developing web based systems,hosting, deploying, maintaining and optimizing.

Knowledge and Skill Sharing

I always believe in sharing knowledge and skills acquired and thus often find sessions to train students on internship and attaches in my area of specialty. Am certified in Linux operating systems platforms; Ubuntu,centos, Debian on installations, configurations, authoring-coding and its general interactivity with database systems, thus often find time to induct interns. Am also versed with Microsoft platform environments.

Networking and Synergy

I always strive to build synergy; leveraging on experiences and expertise from colleagues of different walks in the department, within and without Moi University.

Team Player

I believe in team work. Team spirit is critical for seamless operations. Skilled and experienced in ICT related; databases and web, gives me reason and opportunity to work closely, and learn from others-both in my area and other specialties in the department and university at large.

Experience

ICT Assistant Database Administrator

Moi University • Eldoret
01/2009 - Present

- Managing of database systems; back up, recovery, update and regular optimization of database system.
- Monitoring web-based system performance by use of open source application tools: Free radius, Nagios core, Proxima, Cacti, dalo radius among others.
- Designing and developing [Moi University website](https://www.mu.ac.ke/index.php/en/) and web systems, customization of Content Management System(cms)- <https://www.mu.ac.ke/index.php/en/>
- Administration of university mail system; For remote authentication and authorization by assigning user rights and privileges to the administrators.
- Actively participated in the review of Moi University ICT policy, July 2016; gornenance and structure
- Team leader (web site and database) during draft of Moi University ICT website and websystems policy, May- June, 2017
- Implementing the university Enterprise Resource Planning System (NAVISION); assigning user rights and

passwords to students and staff, design and re-design of custom workflows.

- Collating and analyzing of databases and web systems reports to inform advisory to the director ICT; in case of down times, security breaches and others.
- Championing and fast-tracking of procedures to ensure adherence to university ISO standards-from the database and system section of ICT.
- Setting performance targets and working towards their timely realization- to ensure compliance with performance contracting.
- Installation of the Digital Repository (D-space) for e-resources and publications storage at the Margaret Thatcher Library

Team Leader/Supervisor-Digital Literacy Programme(DLP)

Moi University-Digital Literacy Programme(Laptop Project) • Eldoret

05/2016 - 12/2016

- Team leader during Digital Literacy Programme (Laptop project) Implementation, Phase one, Moi University ICT-government contracted-Training of Primary School teachers on digital skills in 26 county schools, May, 2016-Dec, 2016
- Trainer of trainers- training of the instructors/trainers and supervising of the trainers during the exercise in the county schools.
- Writing and submitting of training mission reports to the lead supervisor for onward submission to the others agencies- Ministry of Education.
- Liaising with the sub-county directors of Education and the head teachers of primary schools prior and during trainings for logistical arrangements to schedule the teachers for training.

Moi University-Donor Funded Projects Office

ICT Support and Consultancy • Eldoret

06/2010 - Present

- **Designed and developed and maintain African Cluster Centre of Excellence(ACC) Website - <https://acc.mu.ac.ke>**
- **ICT support-consultancy on Infrastructural- software and hardware acquisition and their deployment**
- Designed and developed Moi University-VLIR-UOS programme website <https://muvliruos.mu.ac.ke>, hosted and maintained it- regularly updating and redesign.
- Developed the MU-VLIR-UOS project web based electronic document Management system for storing and retrieving the imprests and payment vouchers and seamlessly sharing them with donor partners in Brussels.
- Actively participated in the formulation of MU-VLIR procedures, performance targets and design of task process maps.
- Advising projects within the MU-VLIR Programme on suitable ICT equipment (hardware and software) in terms of specifications and verifying and validating their status once procured to ensure standards value for money is realized.
- Training project leaders and principal investigators on key ICT applications platforms and tools for progress and financial reporting identified for use within the VLIR-UOS framework.
- Editor of the quarterly MU-VLIR-UOS newsletters detailing its activities to enhance visibility.
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Part-Time Lecturing at Department of Information Technology

Moi University, School of Information Science • Eldoret, -Select-

- -Lecturing 4th , 3rd and 2nd year classes respectively on the following courses: **Software Engineering-INS 411, Fundamentals of Software Engineering- INF 370 and Management of ICT-CMM 213**

Part-time Lecturing, Publ. & Media Studies-MES 322

Moi University, School of Information Sciences • Eldoret

07/2012 - 08/2012

- Theory lecture on video capturing, logging, assembly of shots and use of effects in enriching final video, sequence, story board generation and script writing.
- Hands-on instructing students to capture video with camcorder(video camcorder and download the videos.
- Hands-on instruction of students to install video editing software- adobe premiere pro and taking them through on the features.

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- Also on how to mount the download hardware- fire wire.
- Hands-on instructing students on how to burn the final product on cd, dvd, upload on the web and online platforms e.g You tube account.

Information Technology Intern

Moi University, ICT Department • Eldoret

09/2008 - 12/2008

- Hands on experience in prototype database designs, web based system development, coding and customization
- Hands on experience on networking, structured cabling termination and fiber optic splicing
- Computer maintenance, installations of hardware and soft wares

Industrial I.T Attaché

Micro LAN Kenya Limited-ICT FIRM • Kericho

05/2008 - 08/2008

- Exposure and hands on experience on hardware and software installations, configuration and connectivity.
- Exposure on web design and development
- Hands on experience on Enterprise Resource Planning system(sage Accpacc)
- Computer repair and maintenance
- Hands on experience on report writing, job cards, specification quoting of hardware and software for clients.

Professional Affiliations

Global Member

- Internet Society (ISOC) , Global Member id: 2227889 and also Kenya Chapter Member, www.internet.society.org
- IST-Africa collaborative repository forum, ist-africa.org
- Association for Computing Machinery(ACM)-Student Member, www.acm.org

Skills

SQL HTML C++ CSS JAVA PERL and PHP, MYSQL and Oracle databases, Web Graphic design-with Corel Adobe; Photoshop In design, Python and SPSS data analysis and presentation, CMS web customization with Joomla Drupal E107

Education

PhD in Information Technology-On going

Kibabii University

- Research area; Green Computing

Master of Science in Information Technology

Moi University • Eldoret

12/2020

- Awarded Master of Science degree in Information Technology

Bachelor of Science in Information Sciences

Moi University • Eldoret

10/2008

- Awarded Bachelor of Science degree in Information Sciences, Second class honours

KENYA Certificate of Secondary Education(KCSE)

Kericho High School • Kericho

11/2000

- Attained Aggregate mean grade of B

KENYA Certificate of Primary Education(KCPE)

Korongoi Primary School • Kericho

11/1995

- Attained 532 marks out of 700
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Languages

English, Kiswahili, Kipsigis