

# FERDINARD MASILA LAZARUS



<b>Current Position</b>	Chief ICT Officer - University of Nairobi
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<b>Nationality</b>	Kenyan.
<b>Marital status</b>	Married.
<b>Professional Experience</b>	Over 15 years of ICT management and training

## Key Skills & Competences:

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- Holds Bachelors of Science degree (Mathematics and Computer Science) from the Jomo kenyatta University of Agriculture and Technology (JKUAT) alongside numerous professional and technical certifications in information systems audit, networks and systems administration.
- Currently pursuing Masters of Science in Computer systems from JKUAT
- Has More than 15 years in IT support & Management, including strategic direction, budget preparation, vendor relationships, planning, end user ICT support, operation of networks and Data Centers.
- Skilled in evaluating current and future technologies and leading purchase planning to support both short and long-term IT initiatives.
- A clear and direct project manager, skilled in developing and maintaining a broad vision, cultivating good relationships, and communicating effectively across the organization to build focused and productive teams.

## Education:

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2011 - Date : JKUAT Msc. (Computer Systems)  
1994 - 1997 : JKUAT Bsc. (Mathematics & Computer Science)

## Professional Qualification:

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2010 : Certified Information Systems Auditor (CISA)  
2006 : Cisco Certified Network Associate (CCNA)  
2003 : CompTIA A+ (Plus) Certification.

## Other Trainings:

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2015 : EMC VNX Unified Storage Management (Dubai, United Arab Emirates)  
2010 : Mail Server Configuration and Administration (Mekelle University, Ethiopia)  
2010 : Campus Network Design, KENET-NSRC (USIU)  
2009 : Bandwidth Management and Optimization (Multimedia University)  
2007 : Aligning ICT and Business (Computer society of Kenya)  
2005 : Cisco Certified Network Associate (CCNA) (Networking Academy certification)  
2005 : Management and delegation workshop (Kenya School of Professional Studies)

## **Employment History:**

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### **2009 – Present: Chief ICT Officer (Network Infrastructure), University of Nairobi**

- Implementing, maintaining, supporting, developing and designing communication networks.
- Ensuring the integrity of high availability network infrastructure to provide maximum performance
- Securing network by developing network access, monitoring, control, and evaluation
- Prepares and support users by designing and conducting training programs; providing references and support.
- Upgrading network by conferring with vendors and service providers; developing, testing, evaluating, and installing enhancements.
- To identify tools, services and facility requirements and advice on their procurement.
- Maintaining network and systems documentation.

### **Key Projects/Achievements**

- Project leader in design ,deployment, evaluation and upgrading of University wide enterprise wireless solutions in the following campuses: Main-Campus/SWA area ( 2010), Chiromo campus (2011) Lower Kabete Campus (2012),Kenyatta Hospital Campus (2013),Parklands campus(2013), Kikuyu Campus (2012),Kenya Science Campus (2012),Mombasa Campus (2015), Kisumu Campus (2016)
- Project leader , Upgrading and optimization of university intercampus backbone(WAN) involving change of WAN service provider, change from layer2 to Layer3 VPN MPLS service , optimization of WAN routing and increasing of WAN links bandwidth .(2016/2017)
- Project leader, Network segmentations and optimization of all University campus networks (LANs) through implementation of VLANs, DHCP services and core routing services to improve on network efficiency, uptime and security (2009 – 2011)
- Project leader in Upgrading of university intercampus backbone through seamlessly migration from low bandwidth and unstable wireless Wimax solution to Fibre network infrastructure.(2009 – 2010)
- Part of team involved in upgrade of the University Fortigate Next Generation Perimeter Firewall (2015).
- Part of team involved in implementation of Microsoft Active Directory domain System for administering, storing information about resources from a network, as well as application data (2015).
- Implemented the following network infrastructure support services servers :- NTP server, Tacacs server, Rancid
- Setup of network support & monitoring tools (Nagios, smokeping, PRTG traffic grapher, MRTG, AWstats logs analyzer, Cacti, , NetDoc, Iperf)
- Key Team member in development of Technical Proposal and implementation of Upgrade of the University of Nairobi Internet Telephony service, Voice over IP (VoIP) phase II (2013).
- Project leader in design and deployment of public domain IP addresses IPV4 (2012) and IPV6 (2015) in the entire university network infrastructure.
- Key Team member in customization and implementation of ICT Center helpdesk support system (2013).
- Revamped network security through implementation of intrusion detection system (SNORT) and Honeypot (Honeyd)- 2015

- Part of team that set up central authentication mechanism for students and staff based on daloradius (2010).
- Prepared and presented proposals for ICT infrastructure development and provided consulting and advisory services

**June 2008 – June 2009: Senior ICT Officer (User support services) University of Nairobi,**

- Providing leadership and direction in matters pertaining to ICT support matters and customer issues.
- Maintaining of Network cabling infrastructure and resolve LAN and internet connectivity problems within the University campus
- Manage maintenance and operation of computer hardware and software including user support on ICT services.
- Develop hardware, software and the network solutions In liaison with other ICT officers
- Train staff on a wide range of applications used in the University
- Contribute to the overall aims and targets of the University, take initiative to establish constructive relationships with other agencies in liaison with teaching staff and participate in relevant meetings as required.
- Ensure the preparation and maintenance of documentation, manuals and user notes.

**March 2005 – May 2008: Manager: Information Technology Resource Center- Inoorero University**

- Initiated and managed the implementation of the University Enterprise resource planning (ERP) System (Microsoft Dynamics Navision) (2006)
- Prepared and presented proposals for ICT infrastructure development and provided consulting and advisory services.
- Facilitated with overall growth of organization by recruiting elite personnel and creating innovative strategies and business plans.
- Initiated and managed the implementation of Server-based Computing based on Citrix Thin Client desktop computing (2005)
- Team leader in network segmentation of the entire university LANs using virtual LANs and optimization (2005)
- Part of team that developed ICT policy for Inoorero University (2007)
- Implemented Active directory domain services for use by students and staff
- Project leader in migration of servers from Windows NT to Ms. Windows server 2003 environment. (2006)
- Team leader in automation of the university Library operations using Mandarin Library system (2006)
- Developed, administered and tracked a annual budget of Ksh 30M capital budget, a Ksh 10M staffing budget and a Ksh 3M maintenance budget for the department.
- Developed, implemented and monitored service level agreements with Other ICT service providers, ensuring compliance and quick resolution of specific issues. Achieved 95% system availability.
- Created and implemented disaster recovery plans and procedures for Network backbone and Data Center.
- Design and Implementation of network security through Cisco Pix Hardware perimeter firewall
- Creation of Virtual LANs using catalyst switches for LAN traffic control and optimization.

**July 2003 – Feb 2005 Deputy HOD IT Support Center (Kenya School of Professional Studies)**

In charge of computer Systems & network administration

- To perform the installation, configuration, maintenance and support of server systems.
- To provide system administration services for the college (Running Win 2000 server, Win 2003 server, Unix, and Linux (Centos, Red Hat FreeBSD).
- To assist in the implementation and management of server security systems and procedures.
- To identify tools, services and facility requirements and advice on their procurement.
- To carry out server systems, recovery, backup procedures and audit systems log.

**April 2003 - April 2005 Part time Tutor (JKUAT),**

Taught units leading to award of university diploma in IT

Other responsibilities:

- Setting, marking and moderation of Diploma exams for the university accredited centers.

**October 2001 - April 2005 IT Lecturer - Kenya School of Professional Studies**

- Lecturing in units leading to award of Diploma in IT, Diploma in Computer studies(KNEC), MCSE and NCC (UK) Curriculums

**May 2000 - September 2001 IT Lecturer - Copper Belt College**

- Lecturing in units leading to award of Diploma in Computer Studies (KNEC)

**1998 - April 2000 Computer Tutor Mbooni Boys high school**

**Other Assignments/ appointments**

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**2005 Member of taskforce on automation of Directorate of industrial training (DIT)**

- Ministry of Labour and Human Resource Development

**Professional membership**

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- Member of Information Systems Audit and Control Association (ISACA)
- Member Cisco Certification Community
- Member Computer society of Kenya
- Member of the J.K.U.A.T student's alumni.

**Other Interests**

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- Social/charitable Work, Traveling.

**Referees**

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**Dr. Ibrahim Otieno**

**Director ICT Centre**

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