



I have experience in various fields such as governance, IT management, strategic planning, and project management. More than 7 years of hands-on extensive experience with IT Infrastructure technologies and Information System implementation across private and public Sectors. Proven ability to motivate teams and keep them on task to meet demanding deadlines. Adept in driving IT projects and solutions that improve organizational processes, efficiencies, and systems.

MUIGAI SAMUEL MUIRURI

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Bio-Data

Date of Birth: March,1992

Gender: Male

Citizenship: Kenyan

Marital Status: Married

Education Background

LEVEL	INSTITUTION	PERIOD
MSc. in Computer Science	Chuka University	2021- Date
B.Sc. Software Engineering (Second Class Upper)	Kenyatta University	2011- 2015
KCSE (A-)	Nyeri High School	2006-2009

Work Experience

2018 - Present
ICT Director
Tharaka Nithi County Government
 Implementing appropriate IT strategies that support the goals and objectives of the County of Tharaka Nithi. Managing the planning, building, running, and monitoring of all systems in the County Government.

Key Roles & Contributions in this Position

- Prepare strategic and operational plans for the ICT Directorate
- Oversee the implementation and maintenance of technology infrastructure in line with county development plans
- Designing and implementing infrastructure and application hardening methodologies (Servers, Storage, Network, Data Stores, Endpoints, Users) including least privileges, firewalls policies, access control, IPS, Encryption etc.
- Carrying out systems analysis, design and program specifications in liaison with users of the specific sectors
- Provide hands-on leadership in the configuration and maintenance of network hardware, DNS, DHCP, switching, routing and other essential network services such as administration of Cisco switches, routers, VPN devices (firewall rules, site-to-site VPNs, software updates, Sophos etc.)

<h3 style="color: red;">Areas of Interest</h3> <ul style="list-style-type: none"> • Software Engineering • Computer Networking • Artificial Intelligence • Big Data Analytics • Project Management • Leadership & Governance 	<p>Key Achievements in this position</p> <p>Applied strong managerial skills toward directing, coordinating and supervising the following projects in the County Government of Tharaka Nithi:</p> <ul style="list-style-type: none"> • Integrated County Revenue Collection System Coordinated the deployment of convenient payment channels for citizens to increase efficiency and effectiveness of revenue collection and payment processes. The county government automated all the revenue streams, with notable improvement of county revenue collection from 36.49M to 84.31M in the first half of the 2018/2019 financial year.
<h3 style="color: red;">Hard Skills & Competence</h3> <ul style="list-style-type: none"> • System Analysis & Design • Database Design • Network Configurations • System Requirements Analysis • Network Security • Data Modelling • Research 	<ul style="list-style-type: none"> • Hospital Management Information System & Queue Management Assisted in establishing a new PMO process including the development of: Project Plan, Charter, Feasibility Study, RFP, Change Request, SDLC work flow processing, Project Schedule Templates and Project Light Methodology. • County Toll-Free Call Center Spearheaded the implementation of an omnichannel call center at the county headquarters to handle citizenry issues ranging from emergency and disaster response, A.I services, agriculture, health, business permits and general inquiries in Tharaka Nithi County.
<h3 style="color: red;">Soft Skills</h3> <ul style="list-style-type: none"> • Attention to detail • Teamwork & cooperation • Analysis • Organization • Communication • Creativity • Time management 	<ul style="list-style-type: none"> • Structured Cabling & Networking Structured cabling at the county headquarters, all county hospitals and revenue offices. Installation of CCTV surveillance at key cess collection points. Deployment of MPLS network to facilitate data sharing among hospitals, while creating redundant backups at the county headquarters. Ensured network security through appropriate controls, policies, and deployment of systems and performance of regular audits. Ensuring maintenance of the overall infrastructure of the county government's servers, firewalls, network applications and network connectivity between all sites. • Regular maintenance of the County Website Maintenance of the Tharaka Nithi County Website, while ensuring integration of data from various back-end services and databases. Evaluating code to ensure it meets industry standards, is valid, is properly structured, and is compatible with browsers, devices, or operating systems

Key Career Highlights

- Director, ICT in the County Government of Tharaka Nithi
- System Trainer
- Network Engineer
- Project Manager

2016 (Aug)- 2017 (Jan)

DMS System Trainer
Kenya Breweries Limited. (KBL)

Training various distributors of KBL products on how to use DMS (Distributor Management System) to improve efficiency and record keeping in sales.

2016 (Feb-July)

Field Network Engineer
Empire Microsystems Limited.

WiMAX and Optical fiber installation and Maintenance for Safaricom Limited, Jamii Telecommunication Limited (JTL) and Liquid Telecom.

2015-2016

Project Manager
ZuriHub Technologies Limited.

Planning, budgeting and documenting all the software engineering processes to ensure quality product to clients within the required time frame.

Relevant Experience Obtained

- Compliance with the development standards and adherence to best practices.
- Developing security protocols to protect company data from internal and external threats
- Selecting and implementing suitable technology to streamline all internal operations and help optimize their strategic benefits
- Designing and customizing technological systems and platforms to improve customer experience
- Making of policies and implementing plans in the Government Sector
- Implementing Strategic plans
- Coordinating a team with different backgrounds and to define common priorities and objectives

Professional Certifications

2022
Kenya School of Government (KSG)
Senior Management Course

2013-2014
Cisco Certified Network Associate (CCNA)
Module 1&2

Volunteer Work

2017 April- December
 Volunteer Graduate Assistant (VGA)
 The G-United Government Program

Mentoring young pupils in remote areas across Kenya.

Professional Affiliations

Member of the Computer Society of Kenya
 Membership Number – 133264

Publications

AUTHOR(S)	TITLE	JOURNAL	YEAR
Boniface Munene Rufo, Dr. Christine W. Njuguna & Samuel Muigai Muiruri	Enhancing Household Livelihood Outcomes through Resilient Agri-Food Systems among Small-scale farmers in Kitui County, Kenya	East African Journal of Arts and Social Sciences	2022
KU-WEE HUB Tharaka Nithi Researchers	Livelihood Story Map	https://arcg.is/uK8mL	2021
KU-WEE HUB Tharaka Nithi Researchers	FLFP story map	https://arcg.is/1CG1TD	2021
KU-WEE HUB Tharaka Nithi Researchers	Tharaka Nithi full Survey	https://arcg.is/1S0Tin1	2021

Conferences & Workshops

10th April 2022: Connected Summit 2022, at Leisure Lodge Golf and Resort, Diani, Kwale County, Kenya with the theme “Accelerating Digital Transformation”

25th Oct 2021: Annual ICT Management and Leadership Conference, Leisure Lodge Beach Resort, Diani. Organized by Computer Society of Kenya.

4th Dec 2020: Impacts of Data Quality on Predicting and Identifying Cybercrime Offenders - 2nd International Business Research & Industrial Conference (IBRIC), Kenyatta University Virtual Conference

<p>Interests & Hobbies</p> <ul style="list-style-type: none"> • Outdoor activities such as trekking and hiking • Video Gaming • Board Games • Music • Solving puzzles 	<p>2016: Effective Leadership Training: Being A Leader and The Effective Exercise of Leadership Course an Ontological/ Phenomenological Model- on February 5 – 12th, at Multimedia University –Nairobi Kenya</p> <hr/> <p>Appointments to Committees & Boards</p> <p>2020: Appointed by the Co-Principal Investigator (PI) as a member of the KU-WEE secretariat and research team, a partnership project with the Kenyatta University Women economic Empowerment hub.</p> <p>2019: Appointed by the County Executive Member (CECM) in charge of ICT in Tharaka Nithi County, as member of the committee to establish the county ICT Policy, Tharaka Nithi County Government.</p> <hr/> <p>Referees</p> <p>Dr. David Gitonga Mwathi Chairman, Department of Computer Science Chuka University Email: dgmwathi@chuka.ac.ke Mobile: 0722395597</p> <p>Mr. Alexander Muratha Micheni Head of Human Resource Tharaka Nithi County Government Email: alexmicheni15@gmail.com Mobile: 0723488736</p> <p>Prof. Germano Mwabu (Emeritus) Professor of Economics Lead data analyst in the KU-WEE project Email: mwabu.germano@ku.ac.ke Mobile: 0721565387</p>
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