Mark Waweru Thuku

I am a results-driven Software Engineer and Business Strategist with extensive experience in full-stack development, cloud computing, and business intelligence. Proficient in Java, C++, React, Android, and advanced network engineering, I blend technical proficiency with strategic thinking to align technology with business goals. I am analytically focused, ethically driven, and dedicated to using technology to create positive societal change. Passionate about sustainability, decentralization, and green energy, I am eager to collaborate with a forward-thinking team to deliver innovative, impactful technological solutions.

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SKILLS

Full-Stack Development	Cloud Computing	Business Intelligence	Android Development
Advanced Network Engineering	Strategic Planning	Analytical Thinking	Ethical Decision-Making
Technological Problem-Solving	Collaborative Teamwork		

TECHNICAL SKILLS

Programming Languages:	React.js, HTML, CSS, JavaScript, C++, Java, Android, Shell Scripts
Frameworks & Tools:	Node.js, Tailwind CSS, Visual Studio, Git, Jenkins, Oracle DB, Azure, VMware, TinkerCAD
Project Management & Leadership:	Agile, Scrum, Conflict Resolution, Stakeholder Management
Cloud Solutions:	Microsoft Azure (VMs, Virtual Networks, Containers), Cloud Deployment & Management
Data & Business Intelligence:	Data Analysis, Data Warehousing, Data Mining, Business Intelligence Tools, Data Visualization
Networking & Telecommunications:	LAN, VLAN, Subnetting, TCP/IP, Network Security, OSI, Telecommunication Protocols
Sustainable Development Expertise:	Technology for sustainability, SDG alignment, Environmental impact initiatives

WORK EXPERIENCE

Information Technology Intern
Ministry of East African Community: State Department for Regional Development and ASALs – Nairobi, Kenya

- Successfully managed IT infrastructure, ensuring seamless daily operations, installations, troubleshooting, and diagnostics, resulting in improved system uptime and user satisfaction.
- Streamlined technical and networking systems, optimizing cross-departmental communication and enhancing overall operational efficiency.
- Conducted in-depth research on emerging technologies, providing strategic insights that shaped department-wide IT planning and enabled the adoption of innovative solutions.
- Implemented proactive system monitoring processes, reducing downtime and enhancing team productivity.
- Spearheaded the integration of cloud-based solutions, improving data accessibility and security while reducing costs.
- Led the deployment of new software tools, enhancing project management capabilities across departments and improving workflow coordination.
- Collaborated with cross-functional teams to ensure alignment of IT infrastructure with business needs, boosting departmental collaboration and performance.
- Delivered comprehensive IT training sessions for staff, improving technical proficiency and reducing support queries.

EDUCATION

Bachelor of Science in Information Systems & Technology
United States International University – Africa

COMMUNITY INVOLVEMENT

Active volunteer in technology-for-good initiatives, focusing on technology and AI for social change and sustainable development projects, particularly in social well-being, agriculture and healthcare.

Passionate advocate for ethical AI and green technology to advance the UN Sustainable Development Goals (SDGs), particularly SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation, and Infrastructure), and SDG 13 (Climate Action).

LANGUAGES

Engish
Native or Bilingual Proficiency

Swahili
Native or Bilingual Proficiency

French
Limited Working Proficiency

INTERESTS

AI for Social Change   Green Energy   Emerging Technologies   Internet of Things   Networking

Sustainable Development   Trends in Technology

REFERENCES

Available upon Request