

## **SIMON WATHUTA THIINI**

**Software Engineer | ICT Officer | Health IT Specialist | Network Administrator**

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**Portfolio:** [simon-thiini.github.io/potifolio/](https://simon-thiini.github.io/potifolio/)

## **PROFESSIONAL SUMMARY**

**Software Engineer and ICT Specialist** with close to **3 years of practical experience** in software development, digital health systems, and ICT support. I have contributed to impactful **health informatics projects**, including national health digital systems and community-facility linkage platforms.

At Gold in Data, I supported implementation and deployment of digital health tools in partnership with organizations such as **LVCT Health and KEMRI**, assisting in research studies aimed at improving healthcare service delivery and data management.

My strengths include full-stack development, health IT system deployment, technical training, user support, and collaboration with cross-disciplinary teams in both public and private sectors.

## **CORE SKILLS**

- Software Development
- Full Stack Development
- API Development & Integration
- System Design & Architecture
- Health Informatics Systems
- Testing, Debugging & QA
- Version Control (Git)

## **ICT & Networking**

- Network Administration
- Installation & Configuration
- Systems Deployment
- Technical Support & Helpdesk
- Security Best Practices

## **Soft Skills**

- Training & Capacity Building
- User Support & Customer Service
- Documentation & Reporting
- Research & Data Analysis
- Problem Solving & Communication

## **PROFESSIONAL EXPERIENCE**

- Software Developer / Health IT Support — Gold in Data

**August 9, 2023 – Present**

At Gold in Data, I worked on both software development and digital health systems deployment, focusing on improving healthcare service delivery through technology.

## Key Responsibilities & Achievements

- Supported the implementation of the **C-it DU-it study**, a collaborative research project by LVCT Health and KEMRI focused on improving antenatal care uptake and quality in Homa Bay County through digital community-to-facility data linkage.
- Provided technical assistance and training for digital health platforms including **Kenya EMR (Taifa Care)**, **Electronic Community Health Information System (eCHIS)**, and the internally developed **Linkage System** that monitors patient referrals between community health volunteers and health facilities.
- Conducted hands-on training sessions for healthcare workers and community health volunteers on system use, data entry, referral tracking, and follow-up procedures.
- Troubleshooted and resolved technical issues during field deployments, ensuring system reliability, data integrity, and compliance with health data security protocols.
- Collaborated closely with project researchers, health teams, and system developers to monitor system usage, gather feedback, and support iterative improvements to digital health solutions.
- Participated in software development activities including bug fixing, feature enhancements, and deployment of updated releases to production environments.
- Developed RESTful APIs and integrated third-party services to enhance system capabilities.
- Managed version control using Git, ensuring smooth collaboration and deployment workflows.
- Assisted in database design, optimization, and maintenance to support application performance and data integrity.
- Participated in agile ceremonies including sprint planning, stand-ups, and retrospectives to ensure continuous delivery and improvement.
- Stayed updated with emerging technologies and recommended improvements to existing systems and processes.

### ➤ Casual Labour — Nanyuki Paper Industries

July 31, 2023 – August 4, 2023

#### Key Responsibilities

- Handled customer interactions and supported order processing.
- Assisted in production processes, including material handling and machine support.
- Participated in packaging, labeling, and quality checks.
- Maintained and arranged store inventory to support operational workflows.

### ➤ ICT Intern / Probation Officer — Laikipia County Government

May 30, 2022 – September 1, 2022

#### Key Responsibilities

- Maintained and troubleshooted routers, switches, and firewalls.
- Participated in software development projects (Hospital System, Inventory System) using Java and Visual Basic.
- Conducted research to improve ICT infrastructure and presented recommendations.

- Repaired and maintained hardware and software assets.
- Trained staff on ICT systems and digital tools.
- Offered user support for network, system, and application issues.
- Assisted in IT project management and documentation.
- Ensured system and network security compliance.

### **EDUCATION**

#### **Bachelor of Science in Information Technology**

South Eastern Kenya University

2019 – 2023 (Graduated October 2023)

#### **KCSE**

Lariak Day Secondary School

2015 – 2018

### **CERTIFICATIONS**

**HCIA – Cloud Computing 4.0**

**DHIS2 Training — University of Oslo**

### **REFEREES**

**1. Boniface Thumi**

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**2. Steve Jackson Kariuki**

Communications Officer, Laikipia County

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