

NANAYAW ANTHONY OSAFO KISSI

+255 745 896 098 | nanaosafokissi@gmail.com | Dar-es-salaam

PROFILE

I am a dedicated Software Developer with over three years of professional experience building responsive, secure, full stack web applications. I specialize in front end as well as back end development, real time systems, and integrating applications with external financial and government platforms, with a focus on performance, reliability, and data integrity. Beyond web development, I enjoy exploring mobile apps, cloud systems, game development, and AI, curiosity that fuels my continuous learning and my contributions to ambitious software projects.

PROFESSIONAL EXPERIENCE

INTERN

Tanzania Mercantile Exchange

September 2022 - Present

- Contributed to the upgrade of the TMX Online Trading System, a national multi commodity trading platform backed by the Bank of Tanzania's Financial Sector Development Fund and operating under Capital Markets and Securities Authority (CMSA) regulation re-engineering the original pilot into a modular, service oriented system covering the full trading lifecycle: warehouse receipt intake, catalogue and auction management, live bidding, and clearing and settlement.
- Helped design and build the original OTS pilot that digitised commodity trading for the Tanzania Cotton, Coffee, and Cashewnut Boards, connecting farmers, AMCOS, Unions, and buyers.
- Built responsive, secure interfaces and back-end services for pre-trade, trade, and post-trade workflows including user registration, live bidding sessions, and result generation using React with a PostgreSQL data layer.
- Implemented real-time live bidding dashboards and trade session updates over WebSockets, ensuring seamless interaction for buyers and sellers during high traffic sessions.
- Developed and maintained REST APIs for secure data exchange with external systems, including banks and mobile-money services for farmer payments and government platforms such as GePG and the Warehouse Receipt Registry through the Government Enterprise Service Bus (GOVESB).

- Helped enforce application security through JWT authentication, role based access control, and immutable audit logging of trades and settlements.
 - Managed deployment and infrastructure, configuring and hosting servers at the e-Government Authority (e-GA), monitored network traffic during bidding sessions, troubleshoot latency, and secured data transmission between OTS and external systems.
 - Ensured cross browser compatibility and optimized performance to reduce latency during high traffic bidding, providing ongoing maintenance and bug fixes through both the pilot and upgrade phases.
-

EDUCATION

Shanghai Dianji University

Shanghai, China

2017 - 2022

Bachelor of Software Engineering

Biralee International School

Trondheim, Norway

2012 - 2016

Middle School Diploma

TECHNICAL SKILLS

- Full-Stack Development (React, REST APIs)
- Application Security (JWT, RBAC)
- System & Server Administration
- Network Management
- Adobe Software
- Linux/Ubuntu/Nix os
- Photography

LANGUAGES

- Kiswahili
- English
- Chinese
- Norweigian

REFERENCES

Mr. Goodluck Luhanjo

System Administrator

Tanzania Mercantile Exchange

Mob: +255 743 590 868

Email: goodluck.luhanjo@tmx.co.tz

Dr. Maulidi Banyani

Lecturer

Ardhi University

Mob: +255 763 290 008

Email: banyani0508@gmail.com

SKILLS

- Collaborative
- Adaptive
- Attention to details
- Clear communication
- Time Management
- Analytical Thinking
- Curiosity and Continuous Learning

