

ALANUS KAJARA

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<https://alanus-portfolio.netlify.app/>

Summary

Telecoms engineer with a good background in electrical and telecommunication industry helped my last employer (as project manager) to raise her company grade to the first Class grade as per Tanzania electrical and telecommunication companies grading system, achieving all of that through successfully managing three big Engineering projects that were implemented country wide.

Skills

- Next.js, Typescript
- React & React Native
- HTML, CSS and Javascript
- Node.js
- MongoDB, Mongoose, MySql
- Tailwind
- Responsive/Mobile design
- GraphQL, REST API
- GIT & JIRA
- IT & Networking
- Project management
- Problem solving
- Critical thinking
- Time management
- Communication
- Organization
- Leadership
- Teamwork

Experience

ZEROMOJA, Dar-es-salaam-Tanzania - *Software Engineer*

JANUARY 2023 - PRESENT

- Current developing a mobile ecommerce selling app for both ios and android users using REACT-NATIVE, TYPESCRIPT, PRISMA, FASTIFY Tech-stack
- Participated in designing and decisions of the general app architecture.
- Participated in research for the market needs and proposed appropriate solutions.
- Developed a full-stack application using NEXJS with TYPESCRIPT along with a comprehensive CRUD AI Prompt sharing system utilizing MONGODB database and implementing NEXTAUTH authentication <https://project-promptopia-kxyl387rt-alanus-projects.vercel.app/>

STEG INTERNATIONAL SERVICES, Dar-es-salaam-Tanzania - *Construction Engineer*

JULY 2021 - JANUARY 2023

- Monitored site construction activities
- Ensured the controls of standard and working procedures
- Resolved all problems encountered at construction site
- Ensured the quantitative and qualitative reception of products delivered directly to site
- Ensured the application of safety rules and take care of my subordinates (Supervisors, Linesmen, Drivers, Casuals) and third party
- Contributed to the achievement of the project in the best condition of safety, quality and cost
- Ensured the preparation of daily, weekly and monthly reports of the activities carried out.
- Ensured good relation with all STEG INTERNATIONAL SERVICES Staff and Company Projects Stakeholders.

CLICKPESA, Dar-es-salaam-Tanzania - Front End Engineer

JANUARY 2020 - JULY 2021

- Developed online Ecommerce selling platform using REACT, Nextjs, graphql, and REST API.
- Developed and Completed UI of an online sender-app as per designs (both desktop and mobile) from Product Manager
- Researched, designed, developed and implemented a Loan repayment system (zm-credit app) using REACT framework.
- Participated in introducing REDUX architecture in a Project supervision tool app to manage components states and hence improve performance

POMY ENGINEERING CO. LTD, Dar-es-salaam-Tanzania - Project Manager

DECEMBER 2017 - JANUARY 2020

- Successfully tendered for AE/008/2016-17/HQ/G/10 LOT10 project and achieved the following:
- Surveyed and designed 277.87km of Medium Voltage line network, 265.64km of Low Voltage line
- Supervised installation works of both MV (277.87km) and LV (265.64km) line networks in 61 villages of Tabora Region.
- Managed site materials and equipment for more than 10 teams of 20 people each.
- Provided technical advice and solved all problems on site.
- Planned logistics and coordination of materials to site.
- Supervised and counseled junior staff & trainee engineers
- Successfully electrified all 61 villages with installation of 104 (50KVA) transformers with more than 1500 customers connected

POMY ENGINEERING CO. LTD, Dar-es-salaam-Tanzania - Project Engineer

MAY 2015 - DECEMBER 2017

- Assisted in tendering for ACRACCS/TANREL/TENDER/WORKS/16-02 Lots 1, 2,3,4 & 5 project ie. Hydroelectric Energy for 20 Isolated Rural Villages in Ludewa District, Tanzania.
- Conducted site survey to establish scope of work and work program for the project.
- Supervised and monitored job done by Technicians at site.
- Monitored work in progress and managed to finish before time.
- Identified and troubleshoot root causes of technical faults.
- Successfully distributed 143km of MV network and 93.5km of LV network with 4200 user connections

SIHEBS TECHNOLOGIES, Dar-es-salaam-Tanzania - RF Engineer

JANUARY 2014 - MAY 2015

PROJECT: **Indoor 2G/3G Coverage improvement to selected key sites in Tanzania.**

SCOPE: **2G/3G Repeater Design, Installation and Commissioning.**

Surveyed, designed, Installed and commissioned indoor 2G/3G repeaters in more than 20 selected key sites of Tigo Customers in Tanzania, as detailed in the following duties:

- Conducting technical survey to establish signal strength at job site
- Conducting drive testing to establishing the viability a repeater solution
- Preparing procurement needs and specifications for RF devices

- Designing cabling structure and layout of the job site
- Preparing a recommendation report for a repeater solution
- Cabling, installing and testing RF Devices and Telecom units
- Supervising and monitoring work done by Technicians at job site
- Evaluating performance of RF system and recommending improvements

TECHNOIMAGE CO. LTD, Dar-es-salaam-Tanzania - *Telecoms Engineer*

JANUARY 2013 - JANUARY 2014

- Installed various software to customers e.g Operating Systems, Microsoft office suite, etc.
- Installed several hardware to customers e.g. CCTV, PABX and conference systems.
- Configured and maintained customers LANs and WANs.
- Helped customers to solve problems with software and hardware.
- Advised customers what software, technology or equipment to purchase.
- Repaired damaged and malfunctioning equipment.
- Provided end-user training and technical support to customers.

MAKTECH TELECOMMUNICATIONS, Dar-es-salaam-Tanzania - *Fiber Optics Engineer*

JULY 2012 - JANUARY 2013

PROJECT: **Maintenance of Dar Metro and Dar – Dodoma Fiber Network of Vodacom Clients**

SCOPE: **Installing, patrolling, repairing and troubleshooting 623km of fiber optic networks**

- Responding to fiber cuts and other service requests from clients
- Conducting technical survey of job sites and designing solutions
- Reporting the situation and the job site and requesting a job order
- Locating trouble spot and supervise excavation activities
- Splicing fiber cables, testing and acceptance of installations
- Providing technical support and coordinating activities of technicians
- Scheduling patrol and routine maintenance of job sites

TANZANIA TELECOMMUNICATION COMPANY, Dar-es-salaam-Tanzania - *Network Technician*

JULY 2010 - JULY 2012

- Designing, installing and configuring LANs & WANs
- Configuring of High Internet Broadband services
- Monitoring performance of LANs & WANs and reporting problems
- Server administration and Database management.
- Troubleshooting various network problems as they occur

EDUCATION

University of Dar-es-salaam, Tanzania - *Bachelor of Science (Hons) in Telecommunications Engineering*

SEPTEMBER 2008 - JULY 2012

REFEREES:

Eng. Shaban Zacharia

RF Consultant

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