



## MECHANICAL ENGINEER & ADMINISTRATOR

Bachelor in Mechanical & Masters in Project Management)

Name: Fredrick Mumbah, Contact: +255 (0) 764416269 &

(0)715569903,

Email: [fredrickmumbah92@gmail.com](mailto:fredrickmumbah92@gmail.com), Birth Date: 13<sup>th</sup> October 1991

### PROFILE

I am innovative, Industrious, Talented. Mechanical Engineer with proven maintenance, Production, Project Management, Designing (AutoCAD 2d, Solid Work 3d And Arch card) and electrical & electronics systems.

On skills and knowledge in performed new design skills since graduating with degree in engineering, a communicative, encouraging team player who presents ideas effectively and can assist others in the latest procedures.

Skilled in 2D and 3D CAD modelling and animation, FEA and many technical packages. Quickly surpassed expectations in design as well as end-to-end project management.

### A. EDUCATION BACKGROUND

	UNIVERSITY OR SCHOOL	GRADE	COURSE	YEAR
I.	THE OPEN UNIVERSITY OF TANZANIA	MASTERS	PROJECT MANAGEMENT	2020 TO DATE
II.	DAR ES SALAAM INSTITUTE OF TECHNOLOGY	DEGREE	MECHANICAL ENGINEERING	2015 TO 2018
III.	NATIONAL INSTITUTE OF TRANSPORT	DIPLOMA	MECHANICAL ENGINEERING	2013 TO 2015
IV.	SOUTHERN HIGHLAND SECONDARY SCHOOL	O LEVEL	ARTS AND SCIENCE SUBJECT	2006 TO 2009

### B. CERTIFICATES AWARDED

S.N	BOARD OR INSTITUTE	CERTIFICATES AWARDED	YEAR
I.	ENGINEERING REGISTRATION BOARD	PROFESSIONAL MECHANICAL ENGINEER	2022 to Date (NON EXPIRED )
II.	ENGINEERS REGISTRATION BOARD	GRADUATE ENGINEER ( REG : GE 1412 )	2019
III.	INSTITUTE OF ENGINEERING TANZANIA ( IET )	ENGINEER MEMBER ( MEMB : 2268 )	2017
IV.	ILLUMIN UK	ADMINISTRATION	2016
V.	OCCUPATION SAFETY AND HEALTH ( OSHA )	SAFETY AND HEALTH REPRESENTATIVE	2021
VI.	FIRE MILITALLY POLICE TANZANIA	FIRE FIGHTING	2021
VII.	REDCROSS TANZANIA	FIRST AID	2019
VIII.	KIMIMBA SWIMMING PROMOTION	ADVANCE SWIMMING AND SAFE GUARD	2022

### C. SKILLS AND KNOWLEDGES

1. Microsoft offices (Ms Words, excel, power point).
2. Engineering Designing (AutoCAD, Solid work, Arch card).
3. Perform Equipment and System Calculations.
4. Electrical, electronic skills (systems & software).
5. Product Validation Experience and buildings projects supervisions.
6. Provide Cost Estimates for Materials, Equipment, and/or Labour.



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**D. WORKING BACKGROUND OR EXPERIENCE**

S.N	COMPANY	POSITION	YEAR	ACTIVITIES
I.	SELF-EMPLOYMENT	SITE ENGINEER ( DEPORT STORAGE FUEL TANKS AND PETRO STATIONS )	2022 AUG TO DATES	<input type="checkbox"/> Installations of fuel dispenser pumps, gantry accessory and other petroleum equipment <input type="checkbox"/> Installation of plumbing and electrical system <input type="checkbox"/> Computer installation in PLC ( ATG configurations, fusion systems, EFD systems) <input type="checkbox"/> Maintenance of petrol stations and deports stations pumps, fire alarms, hydrants , electrical systems <input type="checkbox"/> Received callback from clients for deports and petrol stations problems in mechanical, electrically and electronics software system and troubleshooting them. <input type="checkbox"/> To do fusion welding, butt welding, electrode and gas welding. <input type="checkbox"/> To do Engineering Designing with AutoCAD and Solid Work. <input type="checkbox"/> Conduct toolbox with contractors and others partners during executions and closed of the projects.
II.	FRANKFURT ZOOLOGICAL SOCIETIES (FZS).  MAIN ACTIVITIES IS: SELOU GAME RESERVOR AND NYERERE NATIONAL PARK CONSERVATION PROJECT.	WORKSHOP MANAGER	2020 JULY TO 2022 JULY	<input type="checkbox"/> Responsible for job allocation and job flow in the workshop including job scheduling and labor allocation for day to day operations. <input type="checkbox"/> Overhaul, maintenance, and repair diesel engines and gearbox during busy time. <input type="checkbox"/> Involves in open job card, closing job card , fleet management, drivers training in basic automobile skills <input type="checkbox"/> Installations & maintenance of electrical, fire and solar systems. <input type="checkbox"/> Involve in budgeting and project implementation <input type="checkbox"/> Safety representative at working place <input type="checkbox"/> Designing details engineering drawings and implemented the in standard unity ( SU ). <input type="checkbox"/> Supervising workshop teams and received feedback from field and findings a best solutions.
III.	MANTRAC TANZANIA LTD.  MAIN ACTIVITIES IS : HEAVY PLANT( MINING AND CONSTRUCTION MACHINES), GENERATORS, LIGHTING TOWERS AND AUTOMOBILE	FIELD ENGINEER	2019 JAN TO JULY 2020	<input type="checkbox"/> Works with the design team to develop safe, efficient, and effective projects that will fall within the budget. <input type="checkbox"/> Pre Delivery Inspections ( PDI ) and programming a systems ( Electrical Power Spicier for set sizing software ) before sold to the customers <input type="checkbox"/> Overhaul, repair, maintenance CAT, SEM, PERKINS and CUMMINS machines. <input type="checkbox"/> Hydraulic and pneumatic systems in repair and maintenance. <input type="checkbox"/> Trouble shouting electrical and electronics systems faults i.e. MCB, contactors, motors, circuits, phase faults, ground, AVR, etc. <input type="checkbox"/> Evaluates all costs associated with each project including materials, costs of labour, and time <input type="checkbox"/> Expended.



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				<input type="checkbox"/> Negotiates contracts with vendors and clients to ensure the most cost effective means of reaching the customer's needs.
IV.	YAPI MERKEZI  STANDARD GAUGE RAILWAY CONSTRUCTION, PHASE ONE PROJECT DAR ES SALAAM TO MOROGORO	MECHANICAL ENGINEER	2018 JAN TO 2019 JAN	<input type="checkbox"/> Planning and monitoring work in the workshop and supervising space instrument maker. <input type="checkbox"/> Design products using CAD, and consult with engineering and manufacturing teammates to ensure that designs are feasible <input type="checkbox"/> Record and evaluate testing data, altering designs as necessary to bring them to safety, performance and efficiency standards <input type="checkbox"/> Develop and build prototypes and run tests to measure their level of function. <input type="checkbox"/> Managing the Stock level, general administration and record keeping <input type="checkbox"/> Make sure all machines, heavy plants, generators, lighting towers, vehicles, constructions plants are well maintained for projects
V.	DERM GROUP LTD. MAIN PROJECTS WAS ELEVATORS, ESCALATORS, A.C OR HVAC SYSTEMS	MECHANICAL TECHNICIAN	2015 JAN TO 2018 JAN	<input type="checkbox"/> Assembly/installations, commission, test repair, maintenance and services lift (elevator and escalator). <input type="checkbox"/> Findings electrical, circuit, sensor and mechanical faults. <input type="checkbox"/> Installations, commission and Overhaul diesel engines/generators 15kva to 2000kva (20kw to 2573kw). <input type="checkbox"/> Installations and services of A/C systems ( Split type, HVAC and Chiller unit ) <input type="checkbox"/> Check safety regulation and building code are met. <input type="checkbox"/> Supervising junior technician and semi-skilled labour.

**REFERS.**

☐ Name: Eng. Charles Hoza (Frankfurt Zoologic Sociate) Position : Senior Technical Adviser

Contact: +2559(0) 787291322

☐ Name : Eng. Joseph Ojala (Mantruck Tanzania Limited) Position Service Eng Contact : +255(0) 688796999

☐ Name : Eng. Frank Ntobobo (Yapi Merkez) Position : Chief Eng. Contact : +255 (0) 653535659