# JONATHAN SALATIEL CURRICULUM VITAE

Bachelor in mechanical engineering

Name: Jonathan Salatiel Mwakyambiki, Contacts: 0782119256/0755467321.

Email: [salatieljona94@gmail.com](mailto:salatieljona94@gmail.com) or [salatieljona2404@yahoo.com](mailto:salatieljona2404@yahoo.com), Birth Date: 24th April 1994

**PROFILE.**

I am innovative, talented mechanical engineer with proven maintenance skills, fleet & transport management, Production, heavy duty machineries technologist, engineering drawing interpreter, engineering design softwares, automobile systems maintenance, piping systems design and installation, HVAC systems design and maintenance.

Skilled in 3D modelling and animations, FEA and many technical packages. Quickly surpassed expectations in design as well as project management, hydraulic systems design and maintenance, pneumatic systems design and maintenance, industrial mechanical systems installation.

**A.EDUCATION BACKGROUND.**

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| S.NO | UNIVERSITY OR SCHOOL | GRADE | CERTIFICATES AWARDED | YEAR |
| I. | ST.JOSEPH UNIVERSITY IN TANZANIA | DEGREE | MECHANICAL ENGINEERING | 2015 TO2019 |
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| II. | SONGEA BOYS HIGH SCHOOL | A LEVEL | ADVANCED MATHEMATICS, ADVANCED PHYSICS AND ADVANCED CHEMISTRY | 2013 TO 2015 |
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| III | ST.VINCENT DE PAUL SECONDARY SCHOOL | O LEVEL | ARTS AND SCIENCE SUBJECT | 2009 TO 2012 |

**B. CERTIFICATES AWARDED**

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| **S.NO** | **BOARD OR INSTITUTE** | **CERTIFICATES AWARDED** | **YEAR** |
| I. | ENGINEERS REGISTRATION BOARD | GRADUATE ENGINEER | 2020 TO DATE |
| II. | INSTITUTE OF ENGINEERING TANZANIA | ENGINEER MEMBER | 2019 TO DATE |
| III. | OCCUPATION SAFETY AND HEALTHY | HEALTHY AND SAFETY REPRESENTATIVE | 2019 |
| IV. | FIRE MILITARY POLICE | FIRE FIGHTING | 2021 |
| V. | MANTRAC AFRICA | TECHNICIANS FOR AFRICA | 2022 |

**C.SKILLS AND KNOWLEDGE**

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| **1.** Microsoft offices ,Ms words ,advanced excel, power point.  **2.** Engineering designing AUTOCAD, SOLID WORKS, ARCH DARD, CATIA etc.  **3.** Procurement management, spares inventory management.  **4.** Vehicles tracking and maintenance tool.  **5.** Electrical and electronics skills.  **6.** Products validation skills and building supervision.  **7.** Cost estimations skills for materials, equipment’s and labours.  **8.** Sales and marketing skills.  **9.** Pneumatic systems maintenance, design and installations.  **10**. Hydraulic systems maintenance, design and installations.  **11**. Piping systems design, specifications and installations.  **12.** Industrial mechanical systems installations skills.  **13.** HVAC systems installation skills.  **14.** MEP tools skills.  **15.** Fleet management, Transport, logistics, clearing and forwarding skills. |

**D. WORK EXPERIENCE OR BACKGROUND**

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| **S.NO** | **COMPANY** | **POSITION** | **YEAR** | **ACTIVITIES** |
| **I.**    **Ii.**  **III.** | **GLENRICH TRANSPORTATION COMPANY LIMITED SUB UNIT OF MOHAMED ENTERPRISES LIMITED.**  **ARTUNJO ENGINEERING COMPANY (CONTRACTOR AT NYATI CEMENT COMPANY LIMITED)**  **NORTHERN ENGINEERING WORKS LIMITED AND ELERAI CONSTRUCTION COMPANY LIMITED.**  Telecommunications works all regions in Tanzania, road constructions projects at loliondo, mto wa mbu, ngorongoro, mwanga Kilimanjaro, and Nkomazi main gate, buildings projects at judiciary sites, udom university, and joshmall hotels. | **ASSISTANT WORKSHOP MANAGER.**  **MECHANICAL ASSEMBLER ENGINEER(STEEL STRUCTURES AND FABRICATIONS).**  **FLEET ENGINEER AND WORKSHOP MANAGER** | **MAY 2023 TO DATE**  **JANUARY 2023 TO MAY 2023**  **2021**  **OCTOBER TO 2022 DECEMBER.** | * To supervise and manage all workshop activities. * To perform preventive maintenance on trucks, trailers and all equipments of the company. * To plan for all spare parts requisitions, budgets and to priotize on workshop activities. * To interprete engineering drawings * To supervise fabrications works. * Installation of fabricated structures. * To supervise the proper use of equipment’s. * To ensure highly quality of works. * Maintenance works supports for short shutdown and long shutdown of cement plant. * To adhere and follow safety rules. * Mechanical structures fabrications, mechanical repairs. * Erection of steel structures and pre fabricated equipments. * To ensure highly quality of machines, vehicles, generator services, jaw crusher, slurry pumps, submersible pumps, engine pumps, and repair standards are met. * To minimize costs by monitoring and controlling expenses * To ensure that staff, systems and resources are used in the workshop to meet departmental requirements are standards in order to provide excellent level of services all time. * To work as a part of operations management team to ensure that cost effective and value added solutions are in place to meet northern engineering needs. * To ensure service and repair targets are met. * To ensure that vehicles and heavy machines like dumpers, bulldozers , excavators, batching plant are maintained and cleaned on daily basis and there sufficient vehicles to meet the business requirements. * To evaluate the works of mechanics to ensure that repairs meet manufacturer’s specifications. * To ensure vehicles, generators and equipment’s are serviced in accordance with departmental service standards. * To ensure proactive planned mantainence is carried out to prevent problems occurring. * To act as technical expert in the workshop advising staff on tasks and sharing knowledge through regular toolbox meetings. * To track company vehicles and prepare pm trackers. * To manage drivers and operators to ensure proper utilization of company assets. * To control fuel consumption ,records of its usage. |
| **IV.** | **SITE MASTERS AND MAC CONTRACTORS COMPANY LIMITED.**  Project of widening new bagamoyo road phase two with joint venture NIPPO DAI NIPPON JV. | **MECHANICAL ENGINEER AND YARD MANAGER** | **2019 TO 2021 OCTOBER** | * Managing mechanical foremen, mechanics, welders, carpenters and artisans to perform their responsibilities effectively. * Inspection of all the construction equipment’s (i.e. excavators, motor graders, vibratory rollers, paver machines, wheel loaders, cranes, tire rollers, box loaders, forkal lifts) heavy trucks, dumper trucks, small vehicles, unit trucks etc. * Scheduling of maintenances, services of machines, trucks and equipment’s to make sure they’re done on time. * To confer with drivers and operators on their suggestions, opinions and report about their trucks, machines, vehicles and all the equipment they’re driving / operating for pre-maintenance practices. * To direct on proper use of machines, generators, constructive equipment’s especially in operations for long life span of those equipment’s and safety protections. * To train and monitor safety procedures ,safety practices and analyzing safety before working ,assessments of all the risks before work and assuring all safety and health practices are considered to all workers. * Reporting to chief engineer (civil) and body of directors on the major services of equipment’s break downs of equipment’s/machines/trucks/cars and suggest on the technical principles to perform maintenances. * To prepare budgets for maintenances of trucks and equipment’s including budget for services, spare parts, proper procurement of all garage accessories ,welding accessories and carpentry accessories * To gather information from production engineer on the production performances regarding batch plants, asphalt plant and discuss on necessary modifications, plant repairs (i.e. conveyor belt maintenances, changing of bearings , modification weighing gate, screw feeder repairs, eclectic motor repairs ,burner repair , bitumen pump repair , changing of pneumatic cylinders, changing of solenoid valves , braking system repairs. * Cooperating with civil engineers in the project of widening new Bagamoyo road phase (ii) (NBR II) concerning detailed construction mechanical engineering drawing designs for site work especially in moldings for civil structures (box culverts, pipe culverts and bridges}. |
| **V** | **TWIGA CEMENT HEIDELBERG CEMENT GROUP.**  Cement production. | **MECHANICAL TRAINEE** | **JULY 2017 TO SEPTEMBER 2018** | * Inspection of all plant section (raw mill, crushers, high grade and law grade, cement mill kiln section, cement silos, packing plant. * Participations in the maintenances and repairs of all conveyors transporting materials from one section to another section (i.e. conveyor belt splicing, conveyor belt alignments, installation of bearings and electric motors) guiding rollers ,pulley lagging of driving drums etc. * Participation in the designing and modification of air sliding pipes for transportation of cement and raw materials. * Participation in the maintenance of crushers, welding repair, Blow bars changing, installation of impact rotor crusher, changing of v-belt drives etc. * Participation of CCR room in the control of production of cement. * Water supply room control including changing of valves, pump repairs, Electrical breakdown repair. * Changing of girth gear at the kiln number 3 with new liners at the kiln. * Belt splicing * Electrical motors shafts alignments. * Changing of voith couplings at aumond conveyor * Repair of bucket elevators. * Working with technicians on foundry workshops to make sure job is done at the right time. * Repair of kiln inlet blusters. * To make sure all procedures of safety and healthy are strictly followed before undertaking any tasks. |
| **VI.** | **URAFIKI CHINA AND TANZANIA TEXTILE COMPANY**  Cotton processing | **MECHANICAL TRAINEE** | **2016 TO 2017** | * To Participate with the guidance of senior mechanical engineer to illustrate engineering drawings to lathe machine operators,miling machine operators and drilling machine operators /technician shaper machine operators and drilling machine operators/technicians. * To prepare preliminary bills of quantities and cost estimates for mechanical engineering in maintenance and repair of clothing machine sewing machines/cleaning machine. * To participate in the carrying out of conditional surveys for HVAC Systems of whole industrial buildings. * To supervise in the steam boilers operations, inspections, repairs and maintenances for continuous production of steam. * To participate in the repair of water pumps, mechanical pumps, Electric motors, changing of bearings, steam pipe repairs and installations under guidance of senior mechanical engineer. |

**REFEREES.**

* **MANAGING DIRECTOR ARTUNJO ENGINEERING**

ARTHUR MWABULAMBO

Email: artunjo.co.tz

Contacts. 0754630972

* **MANAGER AT SITE MASTERS COMPANY LIMITED**

ANTONY KISUMBI.

P.O.BOX 38895 MIKOCHENI DAR ES SALAAM

Contact: +255712151345.

* **PROJECT MANAGER NORTHERN ENGINEERING WORKS LIMITED.**

Eng. Lazaro Josephat

P.o.box 2077 arusha Tanzania.

Contact. +255753467158.