

## JOY NARO WANJIRU GITAU

|| P.O. BOX 79342-00200, Nairobi || Tel: 0717 123776 ||

Email: [joynarogitau@gmail.com](mailto:joynarogitau@gmail.com)

Year of birth: 1993

Nationality: Kenyan

### Profile

---

A graduate of Mechatronic Engineering from Jomo Kenyatta University of Agriculture and Technology, Nairobi with extensive hands on experience in the field of engineering and other related fields.

### Skills and Competency Acquired:

---

- Mechanical aptitude
- Technical competency
- Diagnostics skills
- Problem solving skills
- Negotiation skills
- Analytical skill
- Leadership skills
- Communication and Interpersonal Skills
- Team working skills
- Basic Computer packages (MS Word, Excel and PowerPoint)
- Computer Aided Design (Autocad, Inventor, Fusion, Solidworks)
- Computer Aided Machining (3 axis CNC Milling, 3D printing, Vacuum Forming machine, Plasma and Laser cutting)

### Work History

---

**MTECH LTD - Kenya**

**March 2019 - Current**

**Technical Sales Engineer - Solidworks**

#### **Duties and Responsibilities:**

---

- To prepare and deliver technical presentations explaining Solidworks products or services to customers and prospective customers.
- Confer with customers and engineers to assess equipment needs and to determine system requirements.
- Provide sales support.
- Organise Solidworks training sessions
- Plan and modify products to meet customer needs.
- Help clients solve problems with installed equipment.
- Help in research and developing new ways to market Solidworks products.

**Graduate Mechatronics Engineer**

**Duties and Responsibilities:**

---

- Trainer - Generation of curriculum and training of workshop technologies.
- Project management - Design and fabrication of different types of projects as per the client's request.
- Use of Computer Aided Design Software such as Inventor, Autodesk Fusion, Solidworks for mechanical designs.
- Operation of a 3 axis CNC milling machine, Plasma and Laser cutter, 3D printer, Vacuum Forming machine and power tools for fabrication purposes of the various mechanical designs.

**Turbi Energy and Logistics LTD – Kenya**

**July 2017 to Jan 2018**

Turbi Energy and Logistics Limited is an energy company specializing in the marketing, supply and transportation of petroleum based products.

**Heavy Machinery Coordinator:**

**Duties and Responsibilities:**

---

- Coordinates a regular vehicle and/or equipment maintenance program and establishes repair priorities; reviews employee work orders and material records.
- Assists in the diagnosis of problems and evaluation of necessary repairs; recommends on use of replacement parts and materials; plans and schedules training on new and specialized maintenance and repair techniques.
- Assists in preparing the annual work program, including detailed material specifications; making recommendations on the purchase, allocation of machinery, equipment, parts and supplies.
- Assists with analysis of maintenance and repair records; compares cost effectiveness of replacement to continued operation, purchase to fabrication of parts, and/or field repair.
- Ensures implementation and compliance measures of safety procedures are adhered to at the work site; reviewing safety concerns and putting in place remedial action plan.
- Receives requests for service, reviews and response depending on the urgency of the service.
- Document work performed on vehicles and vehicle condition for reference purposes.
- Ensuring equipment parts / materials are logged into inventory system when delivered and/or when at the work site.
- Responsible for performing the physical and/or administrative tasks involved in the transporting, receiving, storing and distributing of materials, parts and supplies.

**Delta Trading Equipments Company Limited**

**March 2017 to June 2017**

**Internship**

**Duties and Responsibilities:**

---

Specialty on earth movers and generators.

- Assembled earth movers, carried out pre-delivery testing, troubleshooting, diagnosis and repair as well as servicing of the machines.
- Carried out Pre-delivery testing of generators, troubleshooting, diagnosing and repair, servicing and offered mechanical and electrical support to the clients.
- Reconfigured, reprogrammed and collected data from Engine Control Modules of Perkins Engines/ Generators.

- Service administration- contacted customers, issuance of parts for service and repairs, data entry, report writing, job balancing, hours allocation of service engineers to Manpro system.

## **Proteq Automation Limited - Kenya**

**Jan 2016 to July 2016**

### **Internship**

#### **Duties and Responsibilities:**

---

- Designed and fabricated different types of automation projects as per the client's request.
- Use of Computer Aided Design Software such as Inventor, Autodesk Fusion, Proteus for mechanical and electronic designs.
- Operation of a CNC machine, Laser cutter, Printed Circuit Board making machines and power tools for fabrication purposes for both mechanical and electrical aspects of the design.

## **The Nairobi Hospital - Kenya**

**Feb 2015 to April 2015**

### **Internship**

#### **Duties and Responsibilities:**

---

##### Maintenance Department

- Diagnosed and fixed various machines and electrical appliances that were used in the institution.

## **Denchi Consulting Engineers - Namibia**

**Feb 2014 to April 2014**

### **Internship**

#### **Duties and Responsibilities:**

---

##### Mechanical Engineer and Civil Engineer

- Drawing and design of air conditioning, sprinklers, internal drainage of a building, building servicing, fire and smoke detectors installation using Computer Aided Design software (Caddie).
- Drawing and designing of external drainage and storm water drainage.

## **Denchi Consulting Engineers - Namibia**

**April 2013 to May 2013**

### **Internship**

#### **Duties and Responsibilities:**

---

##### Mechanical Engineer

- Drew air conditioning, fire and smoke detectors installation designs using Computer Aided Design software (Caddie).

## **Jomo Kenyatta University of Agriculture and Technology – Kenya**

**Jan 2013 to March 2013**

### **Internship**

#### **Duties and Responsibilities:**

---

##### Institution Workshops

- Motor Vehicle Workshop – Wheel and steering alignment, wheel balancing, side-slip testing, headlight and brake testing, engine overhaul, gearbox and clutch system, brake system
- Welding Workshop – T-Joint, lap joint and parallel beads welding practice
- Plumbing Workshop – Cutting and threading G.I pipes, bending of G.I and PVC pipes and joining the pipes
- Fitting Workshop – Making of a tri-square, which involved hacksawing, filing, drilling and riveting

- Machine Workshop – Use of a lathe machine; taper turning, chamfering, knurling, threading and phasing; gear hobbing machine, milling machine, shaping machine, machine hacksaw and grinding machine
- Installation Workshop – Fixing lighting systems, sockets and switches. From the mains to the consumer unit to the components
- Basic and Analogue Electronics Laboratory – Circuit types and connection of different networks with different components
- Foundry Workshop – Casting patterns and parts with aluminium metal

## Professional and Academic Qualification

---

### Nyakio Plant Operators and Driving School

**August 2016 to September 2016**

Plant and Industrial machines operation training.

- Acquired Class "I" license on operating the Wheel Loader, Excavator and Motor Grader machines.

### Jomo Kenyatta University of Agriculture and Technology

**May 2011 to December 2015**

- Bachelor of Science in Mechatronic Engineering (Second Class Honours - Lower Division)
- Project – Self Adjusting Automated Lectern, Supervisors Anthony Muchiri, Grace Wairimu

### Pangani Girls' School, Nairobi

**2007-2010**

- Kenya Certificate of Secondary Education (KCSE) attained a mean grade of B+

## Referees

---

### Mr. Peter Gitura

Kenya Power.  
Email: [pgitura@kplc.co.ke](mailto:pgitura@kplc.co.ke)  
Tel: +254 733 765 562

### Mr. Benson Iroga

**Nyagwencha**  
Delta Trading Equipments  
Company Limited.  
Email: [biroga@deltakenya.com](mailto:biroga@deltakenya.com)  
Email: [binya65@gmail.com](mailto:binya65@gmail.com)  
Tel: +254 722 508 542

### Mr. Tim Mutta Muinga

KPMG.  
Email: [tmuinga@hotmail.com](mailto:tmuinga@hotmail.com)  
Tell: +254 721 881959

---

