

# Huzaifa Sserugo

Electrical Engineer

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## ABOUT

Electrical Engineer with a strong background in Building Management Systems, Diesel generators and power backup systems, electrical installations and embedded systems, I am a versatile and motivated professional with a proven track record of delivering exceptional results. With expertise in Autocad, Delta ISP soft, YABE (for BACnet systems), Platform I/O, Arduino, ReactJs and the Django Framework, I possess the technical proficiency necessary to take on complex challenges and develop innovative solutions. As a quick learner and adaptable individual, I thrive in dynamic environments and am dedicated to exceeding expectations. I am confident that my diverse skill set and passion for electrical engineering make me a valuable asset to any team.

## MAJOR ACCOMPLISHMENTS

- Installed and commissioned Automatic Rising Bollards, motorized gate, window shutters and skylight and Underground Vehicle surveillance systems and equipment at the ROYAL EMBASSY OF SAUDI ARABIA in KOLOLO. Made major changes from Manufacturer's design to fit client's needs. Added safety features to the systems, integrated them and incorporated them with the Building management system of the premises.
- Managed a team of more than 20 resident technicians and several Subcontractors doing all the Mechanical and Electrical works on the Saudi Embassy Construction site in Kololo
- Designed an Automated Electricity prepayment and sub metering platform. Both Hardware and a Web application to help end wrangles on tenant complexes with a single connection to the national grid
- Rewiring and Installation of protection sensors and Control panels (Deep sea) on several Generators including the 650 kVA GENSET at SKYZ HOTEL in NAGURU. Plus, a host of troubleshooting works on several GENSETs in different parts of the country.
- Solved several issues on Compactors, Motor Graders, Pavers, Compressors, Forklifts and other Earth Moving equipment

- With my exposure and acquired knowledge over time, I can confidently claim that anything that has a Relay, PLC and/or a Diesel Engine, I can work on it.

## WORK EXPERIENCE

### Field Service Engineer, Total Tilenga Project

KURORTNO STROITELSTVO, KAMPALA, KOLOLO

2023-05 – current

#### Role:

- Operating, maintenance and servicing of Generators powering the Oil Production processes in Uganada

### Assistant Electrical Engineer, Saudi Embassy Construction Site

KURORTNO STROITELSTVO, KAMPALA, KOLOLO

2022-05 – 2023-04

#### Role:

- Overseeing all the Electrical works at the site, personally handling the unusual installations.
- Managing a team of more than 20 on-site electricians and subcontractors

### Graduate Trainee - Electromechanical Engineering

MANTRAC UGANDA (CATERPILLAR), KAMPALA

2021-11 - 2022-05

#### Role:

- Learning all about Engines, Generators and Earth moving equipment
- Doing periodic maintenance and troubleshooting and solving client issues regarding Equipment sold and/or maintained by the company.

### Assistant Foreman Electrical, Saudi Embassy Construction Site

KURORTNO STROITELSTVO LTD, Kampala, Kololo

2020-05 - 2021-10

#### Role:

- Working in a team of 14 Electricians First-Fix works at the site. That is conduit work, earthing and others.
- Repair of Equipment used in day to day works of the site. That is grinders, drilling machines among others

## Electrician

Waza Energy resource, Kampala  
2019-01 - 2020-02

### Role:

- Physically doing all kinds of electrical installation works on all kinds of sites. From a small business stall to bungalows

## Field Supervisor

Century Structures Uganda LTD, Kampala  
2017-03 - 2019-05

### Role:

- Overseeing field works in power lines construction. Most notably the Karuma-Kawanda 400kVA power line, from tower erection to stringing.
- Writing timely reports

## Field Service Technician

VTEC TELECOM, KAMPALA  
2016-08 - 2017-03

### Role:

- Surveying of sites before upgrading from 2G to 3G and from 3G to 4G, making reports using a survey software

## Electronics Technician Intern

Seven Hills Impex, Kampala  
2016-06 - 2016-08

### Role:

- Installation of inverters and UPSs, repair and maintenance.
- Design of Changeover switches, Automatic and manual
- Commercial and Residential Electrical installations

## Electrician (intern)

Kamuli Sugar Limited, Kamuli  
2016-06 - 2016-08

### Role:

- Maintenance and installation of equipment such as motors and air conditioners, compressors, power factor correction capacitors
- Design of motor control systems
- Offer electrical connection assistance to all departments at the plant

## CERTIFICATIONS AND EDUCATION

### **FIREFIGHTING and FIRST AID**

Uganda Association of Ambulance Professionals **March 2023**

### **Electricity Regulatory Authority Installation Permit**

Class C. Permit No. ERA/EIP/CLC/022/6361

### **PROJECT MANAGEMENT foundations**

LinkedIn July 2022

### **ELECTRONICS Foundations: Basic circuits**

LinkedIn July 2022

### **TECHNICIANS FOR AFRICA certificate: Engines and Generators**

Caterpillar University – US Nov **2021**

### **Bachelor of Science in ELECTRICAL ENGINEERING**

Makerere University Kampala 2013 - **2018**

### **Uganda Advanced Certificate of Education: Physics Mathematics Economics Arabic**

Lugazi Mixed School Naalya – Lugazi **2011 – 2012**

## LANGUAGES

**LUGANDA, ENGLISH and ARABIC.** I can hand-write, keyboard-type, speak and listen to all of them fluently

## OTHER BUSINESS

- I serve on the membership committee of Educate an Orphan Uganda Limited, a not-for-profit NGO offering education services to Orphans using money donated monthly by registered members.
- I am Proficient in Microsoft office packages. (Word, Excel, PowerPoint and Database)
- I am a very good teacher. I taught in Primary and Secondary schools.

## REFEREES

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