

# Mwoso Derrick

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## Career focus

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I am a professional Aircraft engineer with a background in telecommunication engineering with more than 6 years of working in different positions of leadership and mentorship as well as implementation of projects. My longer field of service and major interest is in aviation. I bring nuanced knowledge of action research, development and effective solutions given my career background. I am detail oriented with a strong ability to learn new concepts.

## Core qualification

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- Operating Garmin equipment including G1000
- Shadin technology
- eCAMP
- Interpreting all Aircraft manuals
- Human factors
- Safety management Systems
- Aircraft Avionics upgrades and installation
- Aircraft annual checks and unscheduled checks
- Airside driving permit
- Electrical wiring diagrams interpretation
- ICAO annexes
- Proposal writing
- Report writing
- Computer skills (MS office, MS Excel)
- CVR/FDR downloads

## Education

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### **Bachelor of telecommunication engineering**

Kyambogo University

**2017**

Kampala, Uganda

### **Advance level (Physics, Chemistry, Mathematics & Technical drawing)**

Merryland High school

**2012**

Entebbe, Uganda

### **Ordinary Level**

Merryland High school

**2010**

Entebbe, Uganda

# Certificates and trainings

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Certificate of **Avionics general** at Debela Training and management South Africa **April 2024**

Certificate of **Aircraft electrical systems** at Debela Training and management South Africa **April 2024**

Certificate of **Aircraft instrument systems** at Debela Training and management South Africa **April 2024**

Certificate of **Cessna Caravan 208 series (CAT A)** at Debela Training and management South Africa **January 2022**

Certificate of **Pratt & Whitney PT6A series (CAT C)** at Debela Training and management South Africa **February 2022**

Certificate of **Safety Management Systems** at Aero consultant Uganda **February 2021**

Certificate of **Human factors** at Aero consultant Uganda **March 2022**

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## Work experience

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### Avionics Engineer

January 2021-current

[Air Serv Ltd](#)

[Entebbe](#)

Performing scheduled and unscheduled checks, annual checks, installation of aircraft instruments, aircraft system upgrades and installation, documentation for accomplished tasks. Test and troubleshooting all avionics defects, correct use of test equipment such as; Pitot static test sets, IFR 4000, IF6000, and sight compass, among others. ELT programming. Complying with the ICAO annexes and CAA regulations. Among the fleet of aircrafts includes **Cessna** 100, 200 & 500 series, **LET** 410 & 420, **Beechcraft** E90, 200, 350, 1900D, **Augusta Bell** 412, 505, 206, **Piaggio** Avanti P-180, **Pilatus** PC-12, **DC3**, B737, C130 Hercules ([Referee Teddy Kaungu Mutuku](#))

### Avionics Engineer (part time)

March 2021-current

[AirTec Global](#)

[Jinja](#)

Performing scheduled and unscheduled checks, annual checks, installation of aircraft instruments, aircraft system upgrades and installation, documentation for accomplished tasks. Test and troubleshooting all avionics defects, correct use of test equipment such as; Pitot static test sets, IFR 4000, IF6000, and sight compass, among others. ELT programming. Complying with the ICAO annexes and CAA regulations. Among the fleet of aircrafts **LET** 410 & 420 and **Beechcraft** 1900D ([Referee Eng. Sidney Mann](#))

### Network Transmission and Datacom engineer

April 2019 –June 2020

[Innovis Telecom services international Ltd \(Airtel Uganda\)](#)

[Kampala](#)

Designing and implementing new network solutions and/or improving the efficiency of current networks, Installing, configuring and supporting network equipment including routers, switches, DNS, DHCP, microwave antennas, Procuring network equipment and managing subcontractors involved with network installation, Configuring firewalls, routing and switching to maximize network efficiency and security, Maximizing network performance through ongoing monitoring and troubleshooting, Arranging scheduled upgrades, Investigating faults in the network, Updating network equipment to the latest firmware releases, Reporting network status to key stakeholders ([Referee Eng. Peter Muwanga](#))

### Radio frequency optimization engineer

March 2018-july 2018

[Emerald Telecom](#)

[Kampala](#)

Perform Single Site Verification SSV and cluster Optimization for Airtel Uganda and MTN 2G, 3G and LTE network, Drive test and collect engineering parameters data like RSRP, SINR, and PCI while performing short/long data calls, scanner, and UL/DL through FTP. Using TEMs Genex Probe tools and PHU, Performed communication tower verification and acceptance, Performed GPS survey updates to improve GPS coordinates

**Technical support Engineer**

December 2017-March 2018

**Runway Networks**

Entebbe

Runway Networks is an ISP company contracted by Airtel Uganda to manage all its data and leased line clients. Responsible for installation of new client equipment, configuration of service, and troubleshooting in case of outage. Mandate was to keep client service at 99% uptime

As a field engineer, I conducted area survey for installation of new equipment; data support through carrying out network trouble shooting; installation of equipment at client's end and at site, Worked with the enterprise team at Airtel to see that the required bandwidth is routed to the clients at all times, I configured LAN for various enterprises

**Research Assistant (Part time)**

May 2017-August 2017

**Peripheral Vision International**

Kampala

PVI advocates for human rights by using the media. Our research was always conducted to back up the facts broadcasted in the various episodes. Activities included data collection, focus group discussions, and respondent follow up from the call centers, data analysis and assessment

Participate in data collection activities; conducted and completed interviews in accordance to the study protocol and answer any questions that respondents may ask before or during the course of data collection, engaged in focus group discussions to obtain extensive research data, worked at the call center to follow up on interviews and data collected

## Referees

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**Engineer Teddy Kaungu Mutuku**

Head of Avionics

Air Serv Limited Uganda

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Base Maintenance Manager

Airtec Global Jinja Base

[sidney.mann@air-tecm.com](mailto:sidney.mann@air-tecm.com)**Engineer Peter Muwanga**

Head Network transmission and FLM

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