

KUDZANAYI S. MHLANGA

Senior Vehicle Engineer | PSV & HGV | Electric & Hybrid Vehicle Systems

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PROFESSIONAL PROFILE

Senior Vehicle Engineer with 8+ years maintaining, diagnosing and repairing commercial vehicle fleets across PSV, HGV, ambulance and plant. Currently responsible for the maintenance and fault diagnosis of TfL-contracted electric, hybrid buses at Go-Ahead London's Sutton garage. IMI-certified in Electric Vehicle Technology and Heavy Electric Vehicle Systems, combining high-voltage competence with a strong conventional diesel, air-brake and auto-electrical foundation. Methodical fault-finder with a first-time-fix mindset.

CORE TECHNICAL COMPETENCIES

High-Voltage EV & Hybrid Systems • Safe Isolation & HV Working Practice • Traction Battery & Drive Diagnostics • Wiring Schematic & Circuit Diagram Interpretation • Diagnostic Software & Fault Code Analysis • Preventative Maintenance Inspections (PMI) • PSV & MOT Test Preparation • Diesel Engine, Driveline & Transmission Repair • Air Brake & Pneumatic Systems • Suspension, Steering & Hydraulics • Apprentice Mentoring • Workshop Health, Safety & Risk Control

PROFESSIONAL EXPERIENCE

Go-Ahead London (London General Transport) | Sutton Bus Garage, London SM1

Senior Vehicle Engineer | Nov 2025 – Present

Fleet scope: Electric, hybrid and diesel single- and double-deck buses operating TfL-contracted routes from one of Go-Ahead London's zero-emission enabled garages.

- Diagnose and rectify complex mechanical, electrical and high-voltage faults across the garage's mixed electric and hybrid bus fleet, using manufacturer diagnostic equipment and wiring schematics.
- Carry out scheduled Preventative Maintenance Inspections and safety inspections to DVLA and TfL standards, keeping vehicles compliant and available for peak service requirements.
- Work to first-time-fix targets on repeat and intermittent faults — reducing vehicle-off-road time and protecting daily service delivery against TfL contract performance measures.
- Support and mentor apprentices in structured diagnostic method, safe systems of work and electric vehicle high-voltage awareness.
- Maintain accurate defect, inspection and job records to the audit standard required under the operator's O-Licence obligations.

J & K Coaches Limited | Moneymore, Co. Londonderry

Vehicle Mechanical Engineer | Oct 2024 – Oct 2025

Fleet scope: Mixed fleet of buses, coaches, ambulances and taxis.

- Delivered the full maintenance cycle across a mixed PSV and light commercial fleet — from scheduled servicing through to major mechanical and electrical repair.
- Prepared vehicles for PSV and MOT test, carrying out pre-test inspection and rectification to support first-time pass rates and avoid re-test cost and downtime.
- Introduced tighter parts-verification checks prior to fitting, measurably reducing comeback jobs caused by incorrect or substandard components.
- Diagnosed intermittent electrical and system faults using computer-assisted diagnostics and wiring diagrams rather than parts substitution, cutting unnecessary parts spend.
- Mentored apprentices through daily tasks, quality standards and workshop safe working practice.

Walter Watson Limited | Castlewellan, Co. Down

HGV Mechanic | Jul 2023 – Sep 2024

Fleet scope: HGV tractor units, trailers, tippers and site plant equipment.

- Maintained and repaired a heavy goods and plant fleet to keep operations running to schedule in a demanding, deadline-driven environment.
- Carried out routine servicing, brake and air system work, and safety inspections to DVSA roadworthiness standards.
- Diagnosed and repaired driveline, hydraulic, pneumatic and electrical faults across both road vehicles and site equipment.
- Worked to tight turnaround times, prioritising jobs to minimise vehicle and plant downtime.

CeeFast Logistics | Harare, Zimbabwe

HGV Mechanic | Mar 2019 – Jun 2023

Fleet scope: Long-distance buses, trucks and trailers.

- Held day-to-day maintenance responsibility for a mixed passenger and freight fleet operating high-mileage long-distance routes.
- Overhauled and repaired diesel engines, gearboxes, axles, braking and suspension systems.
- Ran a scheduled preventative maintenance programme that reduced roadside breakdowns and unplanned repair spend.
- Used computer-assisted diagnostic equipment to isolate faults accurately on older and mixed-manufacturer vehicles.

Allied Forklifts | Harare, Zimbabwe

Assistant Mechanic | Mar 2018 – Feb 2019

- Carried out routine, preventative and emergency maintenance on forklifts, diesel and petrol vehicles and light trucks.
- Performed statutory safety inspections on lifting equipment and worked to manufacturers' technical manuals and industry standards.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- **Certificate in Electric Vehicle Technology** — Institute of the Motor Industry (IMI) | Nov 2025
- **Heavy Electric Vehicle Systems** — Institute of the Motor Industry (IMI) | Jan 2025
- **Technicians for Africa Programme** — Caterpillar University | Apr 2020 – Jan 2021
- **Diploma in Mechatronics** — Alison | Dec 2022
- **Diploma in Electric Vehicle Technology** — Alison | Jul 2022

EDUCATION

- **National Certificate in Diesel Plant Fitting (RQF Level 3 equivalent)** — Harare Polytechnic | Jan 2017 – Nov 2019

ADDITIONAL INFORMATION

- Full UK Category B driving licence — clean, no endorsements.
- Working towards IMI Level 2/3 Electric Vehicle Technology standard, with continued professional development in high-voltage and heavy electric vehicle systems.
- Comfortable working shift patterns, weekends and out-of-hours cover in service-critical operations.
- References available on request.