

# Uzo Ukeje

## Mechanical Engineering Graduate

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6-412 Blake Boulevard,  
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### Skills

- Experience in the operation and maintenance of GE Nuovo Pignone MS5001 gas turbine mechanical systems and auxiliaries.
  - Expert proficiency in Excel, MATLAB, Solidworks, AutoCAD, Inventor, Revit software packages.
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### Experience

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#### SAHARA POWER GROUP/ Team Member (Mechanical Maintenance)

AUGUST 2014 - DECEMBER, 2016, LAGOS, NIGERIA

Responsible for the operation and maintenance of a Gas Turbine power plant and auxiliary mechanical components.

- Collaborated with Instrumentation and Control technicians in troubleshooting, servicing and calibration of turbine control systems for fuel flow, shaft ratcheting/disengagement, overspeeding, vibration and lubrication.
- Collaborated with a team of 5 engineers in the complete overhaul and assembly of two 900KW gas turbine diesel starting engines.
- Planned and supervised the replacement of a gas turbine exhaust insulation plate and conducted standardization inspections.
- Led the investigation and repair of a problematic turbine diesel engine and setup changes to the operational procedures of the engine.

#### RENDIO/Founder JANUARY 2010 - PRESENT

Assist Engineers and Architects with AutoCAD drafts and preparation of Bill of Engineering Measurement and Evaluation.

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### Education

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#### University of Ottawa / M.Eng

JANUARY 2017 - APRIL 2018, OTTAWA, CANADA

- Reverse engineered and conducted a stress analysis on a PW100 power turbine blade using Mohr's Circle diagram and standard stress equations with the aid of MATLAB to determine disk burst margin and blade yield strength.

#### University of Nigeria / B.Eng

SEPTEMBER 2007 - JULY 2012, NSUKKA, NIGERIA

- Successfully designed and constructed an Orifice Meter for fluid flow measurement.