



# Johnson Ezenwankwo

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**Address:** Prague , Prague , 16900, Prague, Czechia (Work)

## ● ABOUT ME

I am an industrious engineer interested in working with a team of experienced engineering professionals where I can apply the skills acquired through my studies and work experience to provide solutions, address challenges within the company I work for, and create a better world through innovative Research and Development (R&D).

## ● WORK EXPERIENCE

**TECHNICAL SUPPORT SPECIALIST – AIRONGE AVIATIONS LIMITED** – 14/07/2019 – 13/05/2022 – LIBEREC, CZECHIA

- Developing Technical Manuals for aeroplane parts as per design
- Attending Scientific Meetings to be up-to-date with the latest industry standards
- Vetting Engineering and Technical Documents for Correctness and Authenticity
- To develop technical materials in line with Design Codes and International Standards such as ASME, AISC etc.

**CAD/SIMULATION ENGINEER – PERSONAL RESEARCH PROJECT (R&D)** – 17/08/2022 – 18/05/2026 – PRAGUE, CZECHIA

- Developing of machine and assembly drawing using Solidworks, Solidedge.
- Design of parts and CAD using AutoCAD
- Finite Element Analysis using Ansys Material and Abaqus CAE
- Design of brackets, padeyes, booms, booster
- FEA using Marc Mentat (Design of representative volume element and unit cells)
  - subsea grating hydrodynamic design
  - camshaft and crankshaft design modeller and FEA
  - technical report writing and company manual sheet development

**YOUTH HACKATHON PROJECT LEAD – SKODA AUTOMOTIVE** – 12/09/2022 – 19/09/2022 – PRAGUE - MLADA BOLESLAV , CZECHIA

- development of a noise-detection system for car engine timing belt

- Python algorithm powered by Arduino suite
- testing noise frequency using Fourier Frequency Spectrum
- Exhibition and demonstration at Skoda HQ, Prague

**ENGINEERING DESIGN AND FACILITATOR – KAMPALA ENGINEERING CONSTRUCTION, UGANDA (EAST AFRICA)** – 01/08/2016 – 31/07/2019 – KAMPALA, UGANDA

- Developing machine and assembly drawings using SolidWorks, SolidEdge.
- Design of parts and CAD using AutoCAD
- Finite Element Analysis using Ansys and Abaqus CAE
- Design of brackets, padeyes, booms, boosters and other mechanical components
- Involvement in local content project to fabricate food processing machines

**CADD ENGINEER/INSTRUCTOR – SHERMAN GRAY LIMITED** – 19/02/2016 – 11/06/2016 – PORT HARCOURT, NIGERIA

Computer Aided Design/Drafting using various viable industry software including, SOLIDWORKS, AUTOCAD, ANSYS Mechanical & Civil, Surface Modeling, Simulation Xpress, Assembly Drawing, Mechanical Designs and Modelinge.t.c. using SolidWorks.

**JUNIOR DESIGN PERSONNEL – ENI SAIPEM CONTRACTING (ITALY/NIGERIA) – 14/06/2015 – 11/10/2015 – PORT HARCOURT, NIGERIA**

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EGINA Offshore FPSO Project

I was involved in both Front End Engineering Design (FEED) and Detailed Engineering Design of Total's Egina Offshore projects; design of lifting and initiation padeye, transponder receptacle, ROV docking beam, mudmat rotating device and wing stoppers, suction cans, suction caissons (analysis), manifolds, ITA, FLET, T-FLET, PLET and PLEM. AutoCAD was used for the FEED.

**STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES) – ELDEMUZ ENGINEERING CONCEPT (INTERNSHIP) – 17/07/2009 – 12/02/2010 – PORT HARCOURT, NIGERIA**

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·2D drafting and 3D modelling using AutoCAD. Assembly drawing of a reciprocating pump  
·3D Modelling using PDMS. Design of a propane gas plant using PDMS 11.60. Conducting a clash report to ensure structural integrity.  
·Process Simulation (Steady state) using Aspen HYSYS. Acid/Gas sweetening using DEA (Diethyl amine), Natural gas dehydration using TEG (triethyl glycol), MEG (Methyl glycol), Oil Characterization, Pipe Sizing and gas gathering e.t.c

## ● EDUCATION AND TRAINING

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15/11/2014 – 17/11/2015 Port Harcourt , Nigeria  
**MASTER OF SCIENCE** University of Port Harcourt

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Website <https://otiuniport.edu.ng/> | Field of study Mechanical Engineering | Level in EQF EQF level 8

17/10/2005 – 17/12/2010 Enugu, Nigeria  
**BACHELOR OF ENGINEERING** Enugu State University of Science and Technology

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Website <https://www.esut.edu.ng/> | Field of study Mechanical Engineering | Level in EQF EQF level 7

## ● LANGUAGE SKILLS

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Mother tongue(s): **ENGLISH**

## ● SKILLS

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Artificial Intelligence (AI) | Copywriting | Technical Report Skills | Abaqus CAE | Solidworks | Marc Mentat | Ansys R22 | Public Speaking/Sales Skills

## ● CONFERENCES AND SEMINARS

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04/06/2024 – 06/06/2024 Plzen, Czechia  
<https://ean2024.vzuplzen.cz/>

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Experimental Stress Analysis of Composite Material

- Material Fabricaion at the Technical University of Liberec
- Material curing and cutting to ASM, ISO standards
- Laboratory testing using Instron tensile testing Suite
- Material response and simulation

Link <https://ean2024.vzuplzen.cz/>

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06/06/2023 – 13/06/2023 Lodz, Poland  
**Textile and Polymer Expo**

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A week seminar on textile and Polymer Expo in the city of Lodz, Poland.

Testing, material analysis, poster presentation and city tour

## ● **HOBBIES AND INTERESTS**

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### **Technical Report Writing**

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Development of Material with Technical Ideas ranging from Ai, Automobile, Smart Technology

### **Creative Writing**

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Poetry and Lyrics

96 Unpublished works of poetry

4 lyrical contents

## ● **HONOURS AND AWARDS**

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### **Master of Science (M.Sc.) Scholarship – PTFDF(Petroleum Technology Development Fund)**

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Scholarship for Master of Science in Offshore Engineering, 2014-2016

Link <https://scholarship.ptdf.gov.ng/>

## ● **NETWORKS AND MEMBERSHIPS**

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UK, online

**Institute of Marine Engineering, Science & Technology (IMarEST), Postgraduate Member,**

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**Membership Number: 8065429 (2017)**

UK, online

• **Energy Institute (EI), Graduate Member**

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**Membership Number: 0062076 (2015)**

Nigeria

**The Nigeria Institution of Mechanical Engineers (NiMechE), Member**

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**Membership Number: SE00136 (2010)**

International

• **International Association of Engineers, Associate Member**

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• **Membership Number: 241662 (2019)**

## ● **PROJECTS**

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12/06/2022 – 07/07/2023

**Development of Flight Manual for a Single-Passenger Aircraft**

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Technical Support Specialist - Airronge Limited

## ● **PUBLICATIONS**

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2017

**Response Analysis of a Suction Caisson Under the Influence of Mooring Tension**

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MSc Thesis Publication on Anchored Caisson Response at the Seabed

Ezenwankwo Johnson, 2017, Response Analysis of a Suction Caisson Under the Influence of Mooring Tension, 126-IJSES-V1N11

**Authors:** Ezenwankwo Johnson | **Volume, Issue and Pages:** 12 | **Publisher:** International Journal of Scientific Engineering and Science (December, 2017)

## ● **RECOMMENDATIONS**

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**Engr. Jonathan Chidubem Awazie** Senior Field Engineer

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I have know them for several years... She/he/they are wonderful in ... I strongly recommend...

**Email** [jonathan.awazie@nnpcgroup.com](mailto:jonathan.awazie@nnpcgroup.com) | **Phone** (+234) 8125999145

**Dr Stephen N. Nnamchi** Head of Department

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He was my research director during my mechanical design project in Kampala, Uganda and he continues to guide me during my career in Europe.

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