

# Chukwunonso Emmanuel Mgbeafulu

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## **PROFILE**

I'm an Engineer with excellent analytical, technical and communication skills demonstrated within 3 years of field experience. I have served as a Marine Engineer and Technical Officer in Maritime/Offshore industries across technical and operational supports, inspection maintenance and repairs (IMR), rotating equipment, installations, designation of flow assurance (FA) and pipe line engineering, avert unplanned equipment down time, loss production & costly repairs. I am good at handling task outside the scope of my experience.

## **CAREER HIGHLIGHTS**

- Devised & introduced task procedures that enabled team achieve and maintain the service policy on delivery turnaround time for every assigned tasks.
- Researched and developed service administrative guides that consistently achieved 100% standard compliance on global best practice and standards.
- Achieved a significant reduction in service delivery time, accumulated cost & closed all avenues for unnecessary expenses within the system.

## **WORK EXPERIENCE**

### **DAMAS OIL AND MARINE SERVICES, Port Harcourt**

*Marine Engineer (Technical and Operational Support)*

**Nov. 2011 – Sep. 2014**

- Evaluate marine equipment performance during acceptance test/shakedown cruise
- Compile catalogue, review general record, coordinate inventory spare parts & tools
- Liaise with captains & shore personnel to ensure efficiency of budgets and schedules
- Supervise machinery installations: such as power generators & propulsion systems
- Review work requests, compare previous work, conduct & ensure cost effectiveness
- Ensure Vessels Planned Maintenance System (PMS) plan is operational and effective
- Supervise safety management systems and monitor acceptable control table limits
- Prepare technical report on maintenance, unit activity and field performance record
- Ensure seaworthiness of vessels, inspect safety and maintenance work while at port

### **SEA TRUCKS NIGERIA LIMITED, Port Harcourt**

*Marine Engineer (Student Internship) - Responsibilities*

**Jun. 2006 – Dec. 2006**

- Observe load on engines and generators to ensure they are within acceptable limits.
- Compile detailed technical reports, inspect general maintenance and vessel repairs
- Troubleshoot auxiliary systems, isolate problems and monitor all main sub-systems
- Enforce policy on all engineering spaces, bilges, rudder compartment & void spaces
- Analyze control room readings & make prompt adjustments to machinery operation
- Maintain engine room store, inventory, record usage of spare parts and equipment.
- Conduct review on stand engine-room watch for the specified period, and ensure oil/grease cups are kept full.

## **ACADEMIC QUALIFICATION**

**Coventry University, United Kingdom** **Nov. 2015**

- M. Sc. – Mechanical Engineering. Thesis: Subsea Clamp on Flow Imaging.

*This project entails design improvement of an existing prototype clamp on Electrical Capacitance Tomography (ECT) system for subsea multiphase flow measurement.*

**Rivers State University of Science and Technology, Port Harcourt** **Jul. 2011**

- B. Tech. – Marine Engineering.

*Thesis: Operational Analysis of Boil off Gas Compression Process for LNG Storage Tanks.*

**New Era Brilliant College, Port Harcourt** **Jul. 2002**

- SSCE – Senior School Certificate Examination

## **PROFESSIONAL TRAINING**

**Petrofac Training Service Aberdeen, United Kingdom** **Jan. 2016**

- Certified: Compressed Air Emergency Breathing System (CA-EBS)
- Certified: Offshore Oil and Gas Industries; Minimum Industry Safety Training (MIST)
- Certified: Basic Offshore Safety Induction and Emergency Training (BOSIET) with HUET & EBS

**Cranfield University, United Kingdom** **Jan. 2015**

- Offshore Pipeline Design and Installation

**Nigerian Institute of Safety Professional (NISIP), Port Harcourt.** **Sept. 2012**

- Health, Safety and Environment (HSE) Competence Development Training
- Level III - HSE Supervision Training
- General HSE Awareness Course

**Charkin Maritime and Offshore Safety Centre, Port Harcourt** **Oct. 2010**

- Standard of Training Certification and Watch keeping for seafarers (STCW'95)
- Personal Safety and Social Responsibilities Certificate (PSSR)
- Personal Survival Techniques Certificate (PST)
- Fire Prevention and Fire Fighting Certificate
- Elementary First Aid Certificate

**Astro Project Solutions, United Kingdom** **In View**

- Wax Deposition and Pigging
- Thermal Investigation of Pipelines
- Erosion Due to Sand and Corrosion Analysis
- Solids Transport Analysis and Orca flex Modeling
- Running Fatigue and Vortex Induced Vibration (VIV) Analysis
- Static and Dynamics Analysis of Marine Risers and Mooring Systems
- Pipeline Profile Modeling and Prediction of Hydrate Formation in Gas Pipelines
- Flow Assurance (with OLGA Software)&Risers Installation (with Orca flex Software)
- Shut-in, Cool-Down, Start-up and Depressurization of a Well-Flowline-Riser Configuration

### **SOFT SKILLS & COMPETENCIES**

- Computer Skills - Micro Soft Office: Word, Excel, Power Point and Project.
- Software Application Skills – CES EduPack, Solid Works, Catia V5, Ansys (Finite Element Analysis)

### **PROFESSIONAL SKILLS**

- Maintenance of both Compression Ignition Engines and Spark Ignition Engines
- Maintenance of Centrifugal Pumps, Marine Blowers and Hydrophore Systems
- Fire Fighting and Elementary First Aid.

### **TECHNICAL EXPERTISE**

- Maintenance administration, resource management, planning and control
- Setup/startup of exercises, service delivery, efficiency and time maximization
- Policy compliance, client management and full spectrum of project management

### **COMPETENCIES & SKILLS**

- Oral & written communication, analytical, diligence, self-motivated and goal driven
- Well organized & highly efficient working in a multi-tasking dynamic environment
- Ability to adapt fast to changes, new innovation, self-motivated and target oriented

### **INTERESTS/HOBBIES**

- Condition Monitoring, Design and Construction, Travelling, Surfing the Internet and Meeting People

### **REFERENCES**

- Prof. Andrew Hunt, Department of Oil and Gas Engineering, Coventry University, Coventry CV1 5FB, West Midlands, United Kingdom, ([Tel:+44\(0\)7450227019](tel:+44(0)7450227019), Email: [And.hunt@coventry.ac.uk](mailto:And.hunt@coventry.ac.uk))
- Engr Dr. I. E. Douglas, the Head of Department, Marine Engineering, Rivers State University of Science and Technology, Port Harcourt, ([Tel:+234\(0\)8033103538](tel:+234(0)8033103538), Email: [lbibadouglas@yahoo.com](mailto:lbibadouglas@yahoo.com))
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