

OYEDOKUN, Oluwafemi Isaac

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oluwafemi.oyedokun@yahoo.com

PERSONAL INFORMATION

- Nationality: Nigerian
- Place of Birth: Lagos, Nigeria
- Marital Status: Single

PROFESSIONAL PROFILE

- Innovative young professional with appreciable experience in Facilities Engineering.
- Results-driven achiever, having a camaraderie inclination with exceptional interpersonal skills.
- Highly flexible and adaptable performer; adept at multi-tasking and thriving in a fast-paced environment while coordinating numerous time-sensitive projects.
- Exceptionally creative problem-solver who works hard and loves challenges.

EDUCATION

2011 – 2016

Texas A&M University, College Station, Texas, USA
Ph.D./ Petroleum Production Engineering (in view)

2002 - 2007

University of Lagos, Akoka, Lagos, Nigeria
B.Sc./Mechanical Engineering (summa cum laude)

1995 – 2001

Oke Ira Grammar School, Oke Ira, Ogba, Ikeja, Lagos, Nigeria
West Africa Senior School Certificate

1989 – 1995

Alpha Nursery and Primary School, Ojodu, Ikeja, Lagos, Nigeria.
First School Leaving Certificate

AWARDS

1. International Fulbright Science and Technology Ph.D. Award

(First Nigerian Awardee)
US Department of State – Bureau of Education and Cultural Affairs,
2011 - 2016

2. Total Exploration and Production Nigeria Limited Postgraduate Scholarship, **2010**
3. University of Lagos Scholar, **2006**.

POSITIONS HELD

2009-2011

Member,
Strategy and Planning Department,
Youth Directorate,
Apostolic Faith Church, Nigeria.

2007-2008

National Secretary,
Campus Association of Visiting Secretaries,
Apostolic Faith Church, Nigeria

2005 – 2006

Treasurer
Association of Visiting Secretaries,
Apostolic Faith Church, Nigeria.

2002 – 2007

Tutorial Coordinator
Department of Mechanical Engineering,
University of Lagos, Lagos, Nigeria.

2000-2001

Vice President
Junior Engineers, Technologists and Scientists Club
Oke Ira Grammar School, Ikeja, Lagos, Nigeria.

2000-2001

Health and Environmental Sanitation Prefect
Oke Ira Grammar School, Ikeja, Lagos, Nigeria

1994-1995

Assistant Senior Prefect

Alpha Nursery and Primary School, Ikeja, Lagos, Nigeria.

WORK EXPERIENCE

Nov. 2010 – May 2011

Lafarge WAPCO Cement Plc, Ewekoro II Plant, Lakatabu, Ogun State, Nigeria.

Position – Mechanical Inspection Engineer

Responsibilities:

- Maintain in depth knowledge of the condition of all plant equipment on a continuous basis.
- Ensure the planned inspection of all plant equipment and initiate work orders based on inspection results, including safety checks. In case of anomaly, performs first analysis and defines priorities for each action.
- Monitor and co-ordinate condition predictors, for all critical equipment.
- Follow-up and update preventive maintenance schedule.
- Validate and update equipment specification files and history sheets.
- Evaluate and improve the preventive maintenance job plans, create and update the corresponding inspection job plans, in coordination with the planner.
- Ensure systematic review, application and optimisation of lubrication program.
- Contribute to the analysis of failures and problems, recommending corrective actions.
- Propose economic ways to extend the life of plant equipment.

Projects Participated in:

1. Limestone & Shale Crushing Lines and Red Alluvium Transportation Line Commissioning.
2. Vibration Diagnoses of all Rotating Equipment in the Cement Factory.

May 2009 – August 2010

Deepwater Pipeline Services Nigeria Limited, 165A, Bisi Obadina Street, Omole Estate, Ojodu, Ikeja, Lagos, Nigeria.

Position – Corrosion Engineer

Responsibilities:

1. *Corrosion Control and Engineering*
- Operation and Inspection Survey of Offshore and Onshore Cathodic Protection Systems.

- Design and Review of Cathodic Protection Systems
- Failure Investigation
- Material Suitability and Selection
- Corrosion Evaluation Study
- 2. *Pipeline Management*
 - Assessment of the Design of the Pipeline System
 - Evaluation of the Product Composition.
 - Identification of Potential Failure Mechanisms.
 - Development of a Complimentary Inspection, Control, Maintenance and Monitoring Strategy
 - Consideration of the Available Methods of Corrosion Inhibition, Pipe Stabilization, Protection, Inspection, Monitoring and Management

Projects Participated in:

1. Chevron Nigeria Limited: Upgrade of Cathodic Protection Facilities at Escravos Terminal – East Area Operation (Robertkiri, Idama and Inda), Topcon Field – (Funiwa, North Apoi, Sengana, and Okubie) and Escravos Tank Farm.

Workscope-

- i. Onsite evaluation of identified CP facilities and the gathering of relevant data required for the upgrade of the existing CP systems.
- ii. Condition assessment of CP systems
- iii. Direct Voltage Gradient work on the Pipelines within close facilities perimeter Minimal effort repairs on any of the CP facilities to improve the as-found conditions
- iv. Design of CP Systems for Pipelines and other offshore structures.

May 2008 – February 2009

Mobil Producing Nigeria Unlimited (ExxonMobil subsidiary), QIT, Ibeno, Akwa Ibom State. Nigeria

Position – National Youth Service Corps

Responsibilities

Operations Technical Surfaces/ Machinery Department

- Condition Monitoring (Vibration, Process Parameters and Lube Oil Analyses) of Machinery.
- Fault Diagnosis on Machinery
- Machinery Maintenance (Pro-active, Predictive, and Reactive).
- Signal Processing

Maintenance Support/ Mechanical Maintenance Department

- Repair and Rebuilding of turbo-machinery (pumps, compressors) and power generators.

Projects Participated in:

- i. Root Cause Failure Analysis on Cryogenic Pumps (Butane and Propane Loading Pumps) at Bonny Rivers Terminal.

- ii. Rebuilding of Scrubber Pumps for Usari, Idoho and Yoho Platforms
- iii. Maintenance of Gear Pumps on Yoho Platform.
- iv. Maintenance on Compressors at Usari Platform
- v. Rebuilding of Gas Operated Generator for Usari Platform at QIT.
- vi. Reliability Assessment of Oso Diesel Turbine

April 2006 – September 2006

Interplan Engineers and Consultants, 7, Akinola Cole Crescent, Off Adeniyi Jones, Ikeja, Lagos, Nigeria.

Position – Intern

Responsibilities:

Mechanical Engineering Design Unit

- Air-conditioning, Plumbing, Piping, Fire Fighting and Lift Designs.
- Preparation of Bills of Materials for Engineering Projects.

Projects Participated in:

1. Plumbing, Air-condition and Fire –fighting systems designs for Gateway City Development Corporation (GCDC), Central Bank of Nigeria (Abuja and Osogbo offices), Braithwaite Memorial Hospital, Rivers State, Nigeria.
2. Plumbing and Air-Condition systems designs for Shoprite (Lagos), On the Run (Mobil Eatery – Ebute Metta and Apapa), Nigeria

TRAININGS AND PROFESSIONAL MEMBERSHIP

- Member, Nigerian Society of Engineers
- Total Lubricants Training, 2011, Total Oil Nigeria Ltd.
- Forty Hours of Industrial Safety Training, 2011 by Lafarge WAPCo Nigeria
- Cathodic Protection System Design Training and Certification, May 2010, Deepwater Pipeline Services

PROFESSIONAL SKILLS

1. Competence in the Use of Computer:

- i. Competent in the use of AutoCAD for 2D and 3D Engineering Drawing.
- ii. Effective in the use of MATLAB in solving complex Mathematical problems.
- iii. Excellent in the use of Engineering Equation Solver in trivializing complex engineering problems.

- iv. Ability to use Computer Programming Languages like C++, C and Visual Basic.
- v. Good at using Microsoft Office Tools – MS Word, MS Excel, MS PowerPoint, MS Project, etc.

2. Analytical Skill:

- i. Competent in the assessment of Pipelines' and Oil & Gas Production Facilities' Integrity.
- ii. Good at writing technical reports
- iii. First level and specific inspections of mechanical systems.

3. Ability to work with little or no supervision:

- i. Mechanical Inspection Engineer in charge of the quarry & crushing process line at Lafarge Cement.
- ii. Assistant Team Lead for the CP Survey Project (Upgrade of Cathodic Protection Facilities at Escravos Terminal, Chevron Nigeria Limited
- iii. Appointed as one of the members of Central Working Committee that coordinates the activities of Campus Association of Visiting Secretaries.

REFERENCES

- Dr. S.A, Oke, Mechanical Engineering Department, University of Lagos, Akoka, Lagos, Nigeria. +2348058179170. sa_oke@yahoo.com
- Dr. Ola Kamiyo, Mechanical Engineering Department, University of Lagos, Akoka, Lagos, Nigeria. ola_kamiyo@hotmail.com
- Dr. Adekunle Adelaja, Mechanical Engineering Department, University of Lagos, Akoka, Lagos, Nigeria. +2348068123861, ao_adelaja@yahoo.com
- Engr. Olusegun Odeniyi, Methods Manager, Lafarge WAPCo Cement Plc, Lakatabu, Ewekoro, Ogun State, +2348083134476, olusegun.odeniya@wapco.lafarge.com

PERSONALITY

- Good communication and problem solving skills.
- Good team player.
- Strong analytical mind with mental and physical alertness.
- Ability to work under pressure and manage change.

PUBLICATIONS

1. S.A Oke, O. Damisa, I.O. Oyedokun, O.S. Momodu, O.G. Akanbi, F.A. Oyawale, 2008, A Model For Tracking Temperature Variation In Cold And Hot Metal Working Conditions During Machining Operations, *Journal of Industrial Engineering International*, (Accepted for publication).
2. S.A. Oke, I.O. Oyedokun, O.G. Akanbi, F.A. Oyawale, 2007, Development Of A Performance Measurement System For Manufacturing Systems, *International Journal of Industrial and Systems Engineering*, Vol. 3, No. 4 (Accepted for publication: 6th April, 2007).
3. S. A. Oke, I.O. Oyedokun, O.G. Akanbi, F.A. Oyawale, 2007, Development and application of an inflation-based productivity model, *Pacific Journal of Science and Technology*, Vol. 8, No. 2, pp. 328-339.
4. Sunday Ayoola Oke, Oluwafemi Isaac Oyedokun, 2007, Development And Application Of A Mathematical Model For Evaluating Extra Energy Cost Due To Disproportional Energy Consumption, *Journal of Business Economics and Management*, Vol. 8, No. 2, pp. 155-161.
5. S.A. Oke, MKO Ayomoh, I.O. Oyedokun, 2007, An Approach In Measuring The Quality Dimension Of Maintenance Performance, *IMA Journal of Management Mathematics*, Vol. 18, No. 1, pp. 17 – 32.
6. S.A. Oke, O.I. Oyedokun, A.O. Bamigbaiye, 2006, Numerical Analysis Of Temperature Distribution Of Cold Cylinder Metal Subjected To Machining, *Mechanika*, ISSN 1392-1207, Vol. 57, Nr. 1, pp. 48-54.
7. Sunday Ayoola Oke, Ayokunle Bamigbaiye, Oluwafemi Isaac Oyedokun, Oliver Ekpere Charles-Owaba, 2006, A Mathematical Model To Set Speed Limits For Vehicles On The Highway, *Transport*, Vol. XXI, No. 4, pp. 278 – 283, ISBN 1648-4142, <http://www.vtu.lt/english/editions> (with Abstract in Lithuanian and Russian).
8. S.A. Oke, O.A. Bamigbaiye, O.I. Oyedokun, 2006, A Mathematical Model For Evaluating Accelerated Wear Due To Inefficient Maintenance, *Transport*, Vol. XXI, No. 2, pp. 105-111, ISBN 1648-4142, <http://www.vtu.lt/english/editions> (with Abstract in Lithuanian and Russian).
9. S.A. Oke, O.I. Oyedokun, A.O. Bamigbaiye, 2006, Numerical analysis of temperature distribution of cold cylinder metal subjected to machining, *Mechanika*, ISSN 1392-1207, Vol. 57, Nr. 1, pp. 48-54

UNDERGRADUATE THESIS

Topic: Leak Detection and Leakage Control in Liquid Pipelines
Using Pressure Transient Analysis.

Supervisors: Dr. S.A.Oke, Dr. K.T Ajayi, Engr. O.O. Adewumi