

John Rhunor Ighoshemu

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OBJECTIVE

Dedicated and hands-on Mechanical Engineer with solid experience in chemical processes, oil production, and field engineering. Skilled in the formulation of oil separation chemicals, mechanical system diagnostics, and process optimization within industrial environments. Adept in laboratory testing, mechanical equipment servicing, and blending operations. Seeking to contribute technical leadership, process optimization, and field-ready expertise to a forward-thinking engineering or energy company.

Education

Afe Babalola University , Ado-ekiti, Ekiti State, B.eng (Mechanical Engineering)

- GRADE: 2nd Class Upper Division

Experience

Field Engineer / Laboratory Technician,LATEQ CHEMICAL INDUSTRIES LTD 2018 – 2023; 2024 – Present

- Led on-site formulation and blending of demulsifiers and other oilfield production chemicals.
- Conducted field-based testing to evaluate chemical performance during oil-water separation processes.
- Maintained chemical blending equipment and supervised minor mechanical repairs on pumps and mixing systems.
- Carried out QA/QC procedures in laboratory settings to verify formulation accuracy and regulatory compliance.
- Worked with plant engineers to optimize dosing rates and blending workflows, enhancing production efficiency.
- Documented formulation procedures and field performance reports; supported production scaling.
- Occasionally automated lab result documentation using lightweight internal tools (Java-based).

Software Developer, Solutions Architect, Huawei Technologies LTD 2024

- Developed and maintained responsive web applications using Next.js, React, Redux, Node.js, and MongoDB.
- Designed and implemented RESTful APIs using Node.js, Express.js, and MongoDB.
- Wrote optimized SQL queries for efficient database operations using PostgreSQL and other relational databases.
- Utilized Huawei SaaS to manage alarms on sites in the telecommunication sector and implemented automation processes using JavaScript.
- Managed databases effectively using MongoDB and PostgreSQL.
- Built microservices with Spring Boot and Java for scalable and efficient backend systems.

Mechanical Engineer and Automobile Specialist Intern, RT Briscoe 2021

- Diagnosed and repaired mechanical faults in automobiles.
- Conducted preventive maintenance and inspections to improve machine performance.
- Collaborated with the team to implement solutions for optimizing automotive systems.
- Collaborated with the team to implement solutions for optimizing automotive systems.
- Performed engine overhauls, AC system maintenance, and preventive maintenance.
- Supported component testing and technical assessments using industry-standard diagnostic tools.

Mechanical and Automotive Specialist Intern, Gladtrico International 2023

- Participated in troubleshooting engine, brake, and suspension systems.
- Conducted inspections in line with national standards for mechanical performance.
- Worked alongside senior engineers to maintain optimal vehicle performance through repairs and calibrations.

- Assisted in diagnosing and repairing mechanical issues in automobiles.
- Conducted technical inspections to ensure compliance with automotive industry standards.

KEY PROJECTS

LATEQ CHEMICAL INDUSTRIES LTD

- Redesigned the demulsifier batching process, reducing blending cycle time by 30% and increasing plant throughput.
- Coordinated QA testing and documentation across three client sites, cutting chemical rejection incidents by 40%.
- Upgraded dosing systems to reduce overconsumption, resulting in a 12% drop in chemical waste per barrel treated.

KEY SKILLS & TOOLS

Engineering & Technical Skills

- **Mechanical Systems:** Diagnostics, maintenance, fault repair, system optimization
- **Chemical Processes:** Oil separation, demulsifier formulation, QA/QC testing
- **Design & Process Tools:** AutoCAD, P&ID interpretation, HAZOP fundamentals
- **Simulation (Basic):** MATLAB, Aspen HYSYS (introductory knowledge)

Professional Capabilities

- Field Engineering & Supervision
- Cross-Functional Collaboration
- Technical Documentation & Reporting

REFERENCES

- Dr Ikumapayi (mechanical engineering lecturer Afe Babalola University Ado-Ekiti Ekiti State Nigeria)- +234 803 078 1881
- Engr Prince Erhabor Gladtrico (Head Technician Gladtrico int'l)- +234 803 674 0240
- Mr Ediri Iruaga (Us Aid Representative Nigeria)- +234 803 344 0120
- Juliet Emeronye (HR Huawei)- +2348175558855, , juliet.emeronye1@huawei.com
- Ighoshemu John (OM LaTeq Chemicals Ltd)- +2348033440472, opm.lechem@yahoo.com
- Dr Azeez(mechanical engineering lecturer Afe Babalola University Ado-Ekiti Ekiti State Nigeria)- +234 803 637 7697, azeeztemitayo221@abuad.edu.ng



Afe Babalola University

*Having fulfilled the requirements of the University - completed the approved course of study,
passed the prescribed examinations and found worthy in character and learning*

*THE PRESIDENT AND BOARD OF TRUSTEES OF AFE BABALOLA UNIVERSITY, ADO-EKITI,
with the consent of the Senate of the University hereby confer*

on
Ighoshemu, John Rhunor
the degree of
Bachelor of Engineering
in
Mechanical Engineering
with Second Class (Hons.) Upper Division
with all the rights, privileges and honours thereunto appertaining

*In witness whereof, by the authority duly committed to us, we have hereunder
placed our names and the University Seal*

on
19th July, 2023



C. O. O. O.
Registrar

G. A. O.
President

M. O. O.
Vice Chancellor

Matriculation No: **20/ENG06/052**

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