

# CHRISTOPHER IKEMEFUNA AGU

## Industrial Mechanic (Millwright)

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### PROFESSIONAL SUMMARY

A Diligent and Self-motivated industrial mechanic with well over 10 years practical experience in the fields of manufacturing and Construction. Having Great knack for creativity, sustainability and ingenious problem solving, and armed with skills in recycling, alternate energy, R&D, and continuous improvement, desires opportunity with engaging organization wherein to contribute to the establishment/improvement of the culture of Green manufacturing.

### SKILLS

Project Management, QA/QC Engineering, EPC/EPCM Contracting, Liaison & Consultation, Welding & Fabrication, Repair and Maintenance, machining, Troubleshooting, Electrical, modelling and prototyping.

Microsoft Office; Word, Excel, PowerPoint, Teams, project, SharePoint, AutoCAD, Solid Works.

### WORK EXPERIENCE

**Day and Campbell limited, 1074 Upper Wellington Street, Hamilton, Ontario.**

**Industrial mechanic (millwright)**

October, 2023 – present

- Repairs and maintain concrete product manufacturing machineries such as Besser block machines, Mixers, Crawler, Cuber machines, conveyors and so on.
- Structural repair and refurbishment of structures within the facility like, hoppers, cement silos, material bins, production buildings.
- Installed and maintains the new carboclave technology that replaced the company's 70 years old autoclave process.
- Designed and developed biomass fueled drying system that have ensured production during the adverse winter months.
- Installs, repairs and maintain systems such as hydraulic and pneumatic systems, handling and packaging systems and their components.
- Installs/maintains machine components such as gear boxes, electric motors, belt drives, and chain drives.
- Production/fabrication of machine parts and pre-assembling of machines
- Attends to all emergency maintenance and tracks all preventive maintenance.

## **Sonmag farms and food Technology Limited, Lagos, Nigeria.**

### **Owner**

September, 2021 – August, 2023.

- Achieved 75% integration of developed alternative energy driven processing technology that reduces production cost by at least 45% and solved seasonality problems.
- Contributed to environmental sustainability through design and development of processes that utilize and valorize wastes such as plastic bottle recycling, biomass fueled
- Utilized locally available raw materials and indigenous technology in manufacturing hence cut down on initial capital and enhanced youth empowerment.
- Ingeniously mechanized processes that were manually handled thereby increasing productivity by at least 25%.
- Led the design phases of project ideation, detail designs and establishment of project deliverables' test processes and acceptance criteria; bearing in mind customers need, company policies and standards.

## **Ducon Industries FZCO, Dubai, UAE. (Manufacturing and Construction)**

### **Fabrication/maintenance supervisor.**

March, 2018 – July, 2021.

- Managed the maintenance of masa concrete block making plant and supervised the installation/maintenance of 1000TPH **C&D** Wastes recycling plant, re-engineering precision parts such as vibration table, block moulds, crane booms and foundations and many more.
- Delivered 2 multimillion-dollar projects simultaneously and achieved above 95% satisfaction of stakeholders and customers by seriously engaging collaborators across 7 countries in virtual project meetings to establish project scope and parameters and discussed changes.
- Promoted to the role of project engineer in recognition of 2 years backlogs of job cards cleared within 6 months by strategically setting up efficient maintenance processes inhouse that reduced downtime by 75%.
- Collaborated with multidisciplinary Engineers to research and installed a novel technology that uses CO<sub>2</sub> in block curing thereby reduced production time by 25% and increased product performance by 40%.
- Recruited, trained and mentored 15 local team members that replaced international expatriates shut out by COVID-19 travel restriction thereby saved 45% on labor costs and delivered project 6 months under schedule.
- Initiated and implemented procurement methodology that ensured suppliers and subcontractors' commitment to project quality and schedules.
- Liaised with not less than 20 third party companies and regulatory bodies on project testing, permits issuance, quality and safety inspections and ensured projects deliverables' conformance and compliance to specifications, standards and applicable codes.

**International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria. (Research & Manufacturing)**

**Industrial Trainee**

July – Dec., 2014

- Actively participated in the research, design and development of emerging processing and production technologies.
- Undertook machine shop operations meant for regular employees producing critical parts such as shafts, flanges, gears and special fittings and couplings.
- Supported team of process engineers and technicians in the calibration and optimization of machines and processes.
- Practically involved in the repair, overhaul and replacement of machines, machine parts and equipment within and outside the facility.
- Fabricated machine by welding component members together.

**EDUCATION**

**Bachelor of Engineering (B. Eng.),** Agricultural Engineering, Federal University of Technology Akure (FUTA), Ondo state, Nigeria. Oct., 2015.

**CERTIFICATIONS AND PROFESSIONAL DEVELOPMENTS**

- Industrial mechanics Millwrights Fundamentals, George brown college, Toronto; 2024
- **Lead Auditor**, Occupational health and safety management system (**OHMS**), ISO 45001:2018 IRCA, 2021.
- **Lead Auditor**, Quality Management Systems (**QMS**), ISO 9001:2015, IRCA. 2021.
- **Project Management Professional (PMP)**, PMI, 2020. (35hours contact training)
- **Auditing**, Quality Management System (QMS), ISO 9001:2015, 2019.
- **Auditing**, Environmental Management System (EMS), ISO 14001:2015, 2019.
- **QA/QC Engineering professional**, Al Shabaka Technical Institute, Dubai, UAE, 2018.