

## **DOKU-GIN, LUCKY CHIGAWEM RESUME**

C/O Mr. Ejike Fynface Igbe,  
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### **PERSONAL DATA:**

Doku-Gin Lucky Chigawem was born on the 15th September, 1979, and happily married.  
He hail from Ahaoda-East Local Government Area of Rivers State, he is a male adult citizen of **The Federal Republic of Nigeria, Africa.**

### **CAREER AND EDUCATION SUMMARY:**

**Master of Science (M.Sc) in Mechanical Technology** (in view)  
Rivers State University, Nkpolu, Oroworukwo, Port Harcourt, Rivers State Nigeria.

**Bachelor of Science (B.Sc.) in mechanical/Metal works Technology** (2011)  
Rivers State University of Science and Technology Port Harcourt.

**National Diploma (ND) in mechanical engineering** (2002)  
Rivers State Polytechnic Bori, Rivers State.

He is a seasoned professional with over 15 years of technical experience in Piping Design and Plant Layout. He supervises, design, lead, organize, plan and managed an assigned area or project. He had held quite a few lead and senior position in many projects with proven tracks records of achievements.  
He is skillful in inspiring and motivating team to successful projects delivering in the national and international oil and gas industry. He is sound and knowledgeable in area of Piping Design and Drafting, Piping Engineering, Piping Construction/Installation, and Piping Fabrication of offshore/onshore facility. Good Experience in subsea engineering, offshore top-side maintenance and rehabilitation, static equipment, Greenfield and Brownfield projects, As-built documentation, and project management with result driven.

### **KNOWLEDGE ON COMPUTER SOFTWARE PROGRAMS:**

- Good in Microsoft office package like Word, Excel and PowerPoint programs.
- Expertise skill in AutoCAD 3D & 2D Modeling & Drafting.
- Good in CAESAR II program for piping stress and flexibility analysis.
- Advanced skill in Aveva PDMS, for 3D modeling, of equipment, piping, HVAC, cable trays & structures.
- Advanced skill in Aveva PDMS, for draft module.
- Advanced skill in Aveva PDMS for Isodraft module.
- Good skill in Aveva PDMS Global Setup and administration.
- Advanced skill in Microsoft Project, for project planning and scheduling
- Good skill in PV-Elite, for design and analysis of mechanical equipment, like tank, pressure vessel and heat exchanger.

### **ADDITIONAL INFORMATION:**

- Sound understanding of isometric drawings with MTO & Supports and work accordingly
- Understanding of International Design code like ASME, ANSI, ASTM, API, ETC
- Experienced in construction activities on site (onshore/offshore) etc
- Good knowledge of Equipment List, Valve List, Line List. Tin-in List, etc.
- Good understanding of equipment layouts, overall plot plan, key plan, Piping-GA's, Isometrics & plot plan.

### **PROFESSIONAL/CERTIFICATION TRAINING/COURSE:**

- PROJECT MANAGMENT PROFESSIONAL (PMP) & PROJECT COSTING AND EVALUATION
- Microsoft Project AND Primavera
- H2S AND SO2 AWARENESS & HUET AND OFFSHORE SAFETY

### **PROFESSIONAL MEMBERSHIP REGISTRATION:**

- **Corporate Member Nigerian Association of Technologists in Engineering (MNATE) C-11436**

## **WORK EXPERIENCE SUMMARY.**

### **1.) Engineering, Design, and Drafting**

- Managing Piping design by attending meeting with clients, managed subordinates, and prepared work progress report etc...
- Good understanding of Process Engineering (MFD, PFD, P&IDs) etc
- Man-hour estimation for the piping discipline
- Preparation and review of equipment arrangement plans (layout drawings)
- Piping Layout study and finalization of pipe routing
- Selection of pipe supports, preparation of special support sketches
- Co-ordination with civil and structural departments regarding pipe support location and the loads
- Inter disciplines documents review
- Developing piping isometrics, and pipe support, drawings.
- Monitoring the Piping design in 3D model (PDMS) & perform PDMS administrative setup
- Interface with other disciplines to develop project-plant for 3D model (PDMS) & 3D model review
- Preparation of Material take off for Piping
- Preparation of valve list, tie-in lists, equipment list, & line list etc.
- Performed Pipe stress and flexibility analysis (using Caesar ii)
- Provide input to the process department in developing P&IDs
- Piping isometric checking with respect to P&IDs and project specifications, & standards
- Attending Progress review meetings and Design review meetings
- Attending HAZOP meetings (hazard and operability study)
- Experienced in FEED, Conceptual, and Detailed Engineering Design (Greenfield and Brownfield Design) etc
- Expertise experienced in AutoCAD drafting of any kind.
- Developed Technical specifications for Piping material, pipes, fittings, valves, gaskets, flanges, etc.

### **2.) Construction, Fabrication and Installation Engineering**

- Prepared Fabrication and Shop Drawings
- Deeply involved in several spools, frames, and structural fabrication works
- Deeply involved in installation of static equipment, rotating equipment, Pig trap, and process equipment etc.
- Deeply involved in preparation of Piping Work Packages
- Prepared and Report daily and weekly Project Progress Reports.
- Developed several installation procedures and specifications.

### **3.) Pipeline Design, Engineering, and Subsea**

- Experienced in Pipeline Engineering, Construction and Design.
- Prepared Anchor Pattern, Mooring Sequence Drawing, etc.
- Prepared installation drawing- (loading & uploading)-involving crane.
- Subsea Pipeline laying, and Mattress installation.
- Developed several pipeline installation procedures and specifications.
- Good understanding and interpretation, and preparation of pipeline alignment sheet (drawings).

## **MY SPECIALTIES OR MAJOR AREAS IN PROCESS PIPING.**

1. Piping and Layout Design and Engineering
2. Piping Stress and Flexibility Analysis
3. Piping Materials

## **PROFESSIONAL AWARD WINNING:**

- **Nigerian Association of Technologists in Engineering confer on me AWARD OF MERIT in recognition of my contribution to the development of technology in the oil and gas industries in Nigeria.**

**CAREER/ EXPERIENCE GAINED:**

**Senior Piping and Layout Designer; Summary of Experience and Project Execution:**

**CLIENT:** SAIPENM, CHIYODA AND DAEWOO (SCD) JV CONSORTIUM  
**PROJECT:** NLNG-TRAIN 7 DETAILS ENGINEERING DESIGN DEVELOPMENT  
**DATE:** SEPTEMBER 14<sup>TH</sup>, 2020 – TILL DATE  
**EMPLOYER:** DOVER ENGINEERING LIMITED  
**POSITION:** SENIOR PIPING AND LAYOUT DESIGNER

**MAJOR CLIENT:** NIGERIAN NATIONAL PETROLEUM CORPORATION COMPANY (NNPC)  
**PMC:** NETCO & ILE CONSULTING ENGINEERS  
**PROJECT:** AJAOKUTA KADUNA KANO GAS PIPELINE  
**DATE:** 2020 MAY – SEPTEMBER 11<sup>TH</sup> 2020  
**EMPLOYER:** DOVER ENGINEERING LIMITED  
**POSITION:** SENIOR PIPING DESIGNER

**CLIENT:** SAIPENM, CHIYODA AND DAEWOO (SCD) JV CONSORTIUM  
**PROJECT:** NLNG-TRAIN 7 FRONT END ENGINEERING DESIGN (FEED) DEVELOPMENT  
**DATE:** 2018 APRIL – APRIL 2019  
**EMPLOYER:** AMAZON-ENERGY LIMITED – NIGERIA  
**POSITION:** SENIOR PIPING AND LAYOUT DESIGNER

**COMPANY:** OXY PETROLUEM LLC - DOHA, QATAR.  
**DATE:** 2013 February –December 2014  
**EMPLOYER:** AMEC BLACK CAT LLC, IN QATAR.  
**POSITION:** SENIOR PIPING DESIGNER

**RESPONSIBILITY:**

- Study and familiarization of project scope of work, MDR, and all project required
- Extensive knowledge within the Piping and Plant layout discipline with the capability and initiative to perform the following tasks.
- Provide accurate detailed piping design per project requirements in accordance with scope, budget, and schedule assigned by department manager.
- Provide on-site field assistance as required per project assignment.
- Plan, facilitate, or conduct 3D model design reviews
- Check design documents for quality and accuracy
- Provide information for inter-discipline coordination
- Participate in project coordination / client meetings
- Develop and maintain project drawing list
- Make recommendations to improve department workflow process
- Develop and /or improve department standards, including templates and design guides.
- All other duties as assigned by piping lead department lead.
- General supervision and developing engineering design drawings, using codes, specifications and standards.
- Coordinate the design of facilities systems and equipment related to piping department.
- Ensures effective communications among other engineering disciplines, project management, and Client teams.
- Preparation of piping disciplines drawings for projects and ensures that they are properly archived.
- Prepare weekly project reports to the head of piping discipline on his overall activities on projects.
- Developed Technical specifications for Piping material, pipes, fittings, valves, gaskets, flanges, etc.
- Develop piping check list for piping checks, and check piping design requirements in accordance.
- Examined and validating piping drawings and layout plans for quality and compliance.
- Reviewed and altered design documents to meet established piping standards.
- Coordinate the design of facilities systems, and equipment related to piping disciplines at a minimum amount of supervision.
- Examined and evaluated all drawing packages provided by vendors.
- PDMS 3D model update as per PEFS, like pipe and equipment modification, line check etc.

**CLIENT:** NIGERIAN GAS & POWER INVESTMENT COMPANY (NGPIC)  
**PROJECT:** 1350 MW KANO INDEPENDENT POWER PLANT FEASIBILITY STUDY  
**DATE:** 2019 APRIL – DECEMBER 2019  
**EMPLOYER:** NETCO AND JUBOBBKEYSTONE ENGINEERING LIMITED  
**POSITION:** PIPELINE/PIPING LEAD ENGINEER

**RESPONSIBILITY:**

- Studying and familiarization with the project scope of work, project quality plans and objectives.
- Ensure compliance with project safety rules and QAQC implementation plan.
- Ensure adherence to international standard and code, and statutory requirements.
- Develop and issuing of MDR for review and approval.
- Timely preparation of work and schedules for each discipline personnel (subordinate.)
- Develop and issuing of piping discipline procedure and including design and drafting specification.
- Responsible for consolidation of all review comments from other discipline.
- In charge of the management and administration of the piping department.
- Perform relevant piping engineering and design work as indicated in project scope of work.
- Carry out checks on quality and accuracy of all calculations and drawings certifying their validity.
- Ensure adherence to discipline design procedure. & supervise the activities of engineers and designers under me.
- Oversee all activities of piping department and assigned jobs to subordinate.
- Prepared the initial Drawing/Document Controls schedule and establish Control Point and dates that comply with the overall project engineering schedule.
- Ensure the timely issuing of documents to enable other Engineering Disciplines completes their work without delays.
- Co-ordinate the respective schedules with interfacing disciplines to ensure compatibility of priorities and synchronization of their individual work schedules.
- Ensure that electronic file copies of issued documents and drawings are transferred to DCC simultaneously at the point when the hard copies are issued, using the appropriate designated Project folder.
- Attend various project meetings and treat technical queries (mails) from clients.
- Define, review, and comments, within my areas of responsibility, those documents, including but not limited to the following:
  - Project Management Reports, Feasibility Study Reports, Conceptual Design and Selection Reports, Procedures and Instructions, Calculations, Specifications, Drawings and Piping List, Material Requisitions and EPC Bid document, Material Take off (MTO).

**COMPANY:** PETROLEUM DEVELOPMENT OMAN PDO)  
**DEPARTMENT:** ENGINEERING AND OPERATIONS INFORMATION MANAGEMENT  
**DATE:** 2016 May – February 2018  
**EMPLOYER:** MOTT MACDONALD & COMPANY LLC – MUSCAT-OMAN  
**POSITION:** IM LEAD – DESIGN, ENGINEERING DESIGN SYSTEM (EDS)  
**JOB DRIVE:**

- Leading and coordinating the EDS specialist, advising and resolved technical projects queries
- Contribute to quality management system to that supports EDS
- Contribute to data and information management system that supports EDS

**CRITICAL INTERFACES**

**People:**

- I interfaced with Project Management Team, Contractor, Engineering Design System Team, FEED Office, Different Engineering Discipline Engineers, IM Leads, and Trainees,

**Technical Content:**

- Applying engineering expertise background to project requirements within engineering design system (EDS) parameters.
- Applying the knowledge of engineering databases and models to manage project and operations data content; to identify and drive data automation and standardization opportunities; to achieve quality level improvement targets.

**EDS Applications:**

- SPI , Intelligent P&ID, Global PDMS, AutoCAD, Aveva NetPortal, WalkInside, 4D software for Construction Progress measurement, Management of Point Cloud Data

### **RESPONSIBILITY:**

- Advised project leadership on EDS technological options/alternatives, make recommendations that best achieve project design goals, which recognize and take account of technical challenges.
- Advised the project on the information transfer using the Engineering Design System in different phases of Engineering from Construction to Pre-commissioning.
- Translate project engineering requirements into design systems functionality to enable creation of 2D and 3D deliverables used for construction, operations, maintenance and future plant improvement projects.
- Ensured a productive interface with all other relevant project databases
- (E.g. Engineering Design Databases, PDMS, Aveva NetPortal and Intelligent P&ID).
- Manage and coordinate all the EDS specialist and attend various kick off meeting
- Developed, reviewed and update different EDS specification and scope of work
- Undertake design verification
- Manage project quality support functions include quality planning, preventive action, non-conformance control, corrective action, audits, and project quality reporting and review for effective project optimization.

**CLIENT:** SEPLAT PETROLEUM DEVELOPMENT COMPNAY  
**PROJECT:** OBEN ASSOCIATE GAS COMPRESSION PROJECT  
**DATE:** January 2015 -2016 April  
**EMPLOYER:** JUBOBKEYSTONE NIGERIAN LIMITED  
**POSITION:** LEAD MECHANICAL/PIPING ENGINEER

### **RESPONSIBILITY:**

- Good compliance to Splat HSE golden rules and safety policies and maintain company quality control system.
- Good understanding of the project scope of work.
- Plans the schedule of piping works.
- Interpret drawings to construction and fabrication crew.
- Supervises fabrication and construction work on site.
- Developed and Review different installation procedures.
- Coordinate and supervises the installation of different process equipment, pipe works, and pipe supports.
- Assist with material procurement.
- Oversees installations and maintenance operation and supervises construction staff.
- Coordinate and manages welders and fitters on site and resolved welder conflicts.
- Reconciled MTOs, supplied materials and check mills certificate.
- Ensured pipes are coated or wrapped according to Seplat coating specifications.
- Reporting to construction manager.
- Review project schedules with clients and contractors and attends project meetings.
- Supervised the installation of three (3) AG compression units & performed grouting plus chipping works etc.
- Liaises with construction manager and project designer to create and elaborate plan events.
- Determines what needs to be done at construction stage.
- Responds to different technical queries from clients and contractor.

**COMPANY:** REDFINS ENERGY LIMITED, TEMA, GHANA  
**DATE:** January 2011 – December 2012  
**PROJECT:** MECH/PIPING ENGINEER

### **RESPONSIBILITY:**

- Good adherence to safety rules and safety policies.
- Good understanding of the project scope of work.
- Plans the schedule of piping works.
- Supervises fabrication and construction work on site.
- Coordinate and supervises the installation of different process equipment, pipe works and pipe supports.
- Assist with material procurement.
- Determines what needs to be done at construction stage.
- Coordinate, & monitor spools fabrication work on site, and tracked construction progress
- Managing construction crew on site, & submit daily project report to line manger
- Coordinate & manger project till commissioning, & final as-built stage (laser scanning)

**COMPANY:** SUFFOLK PETROLUEN NIGEIRA LIMITED  
**CLIENT:** EXXON MOBIL PRODUCING NIGERIA UNLIMITED  
**DATE:** January 2009 – December 2010  
**PROJECT:** MIPS PIPLINE PROJECT  
**POSITION:** PIPING ENGINEER

**RESPONSIBILITY:**

- Deeply involved in the fabrication, installation, and construction works during this project.
- Developed different fabrication & installation drawings.
- Developed Subsea Bridge & Riser general arrangement drawing with detailing.
- Carrying out final P&ID check of installed piping systems in the module
- Developed pipeline crossing details as per anchor pattern drawings, prepare site layout drawing, and mooring pattern drawings.

Others include but not limited to

- Good adherence to safety rules and safety policies.
- Good understanding of the project scope of work.
- Plans the schedule of piping works.
- Coordinate, & monitor spools fabrication work on site.
- Coordinate subsea bridge and mattress installation.
- Coordinate offshore top side's rehabilitation and reconstruction works.
- Coordinate the Installations of pig traps in various locations.
- Coordinate PCV installation and hook-up works.

**COMPANY:** IRONOPOLIS ENGINEERING LIMITED.  
**CLIENT:** EXXON MOBIL PRODUCING NIGERIA UNLIMITED  
**DATE:** January 2007-December 2008  
**PROJECT:** EAP-EPC4 (B) – EXTERNAL WELL DEVELOPMENT PROJECT.  
**POSITION:** PDMS PIPING DESIGNER

**RESPONSIBILITY:**

- Create new PDMS design model, effect changes on existing PDMS model based on the project scope of work and updated P&ID to satisfy client requirements, as per ASME B31.3 & B31.4, and B31.8
- Studied project work scope and adhered to company safety codes
- Creating equipment, PDMS Primitives, ASL, vessels, pumps, heat exchangers, platform and ladders.
- Performed piping routing as per input given in P&ID
- Update, Change, and incorporated information on existing 3D model
- Reviewing the piping design scope of work
- Generate plot plan, equipment layout, GA, & isometric from PDMS 3D model.
- Generate documents such as bulk MTO, reports nozzle schedule.
- Transform PDMS isodraft to Caesar ii for static and dynamic stress analysis.
- Performed Equipment modeling as per vendor data sheets and drawing

**COMPANY:** TITAN ENGINEERS & CONSTRUCTORS LIMITED.  
**CLIENT:** EXXONMOBIL PRODUCING NIGERIA UNLIMITED  
**DATE:** February 2004-December 2006  
**POSITION:** JUNIOR PIPING ENGINEER

**RESPONSIBILITY:**

- Understanding the project scope of work.
- Assist in carrying out piping designs and engineering activities.
- Preparation of piping disciplines drawings and ensure that they are properly achieved.
- Participate in inter-disciplinary checks, design reviews and completion of conceptual scopes of work and preliminary designs.
- Preformed any other duties that is assigned by piping lead,
- Performed routine of all pipes, fittings & generate Isometric drawings etc.
- Developing engineering design drawings and preparation of piping drawings.
- Strategic planning on how to develop standard drawings.
- Performed design of facilities systems, and process equipment with minimum supervision.
- Performed general drafting works using AutoCAD.

**REFEREES:**

1. **Barrister Jude Nonage**  
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