

# INYANG, IBEREDEM UDO

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Portforlio link: [Home \(lessonpedia.pythonanywhere.com\)](https://lessonpedia.pythonanywhere.com)

LinkedIn: [Iberedem Inyang | LinkedIn](#)

Virtual Control Link [ICT code base]: [EnGentech \(Engr. Gentle Inyang\) \(github.com\)](#)

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## HIGHLIGHTS/COMPETENCIES

Backend Developer specializing in Python, Django, Flask, MySQL, MongoDB, Bash and C, with a solid foundation in basic front-end development. Proficient in crafting robust server-side solutions, system architecture, and backend optimization. Skilled in creating and consuming APIs at both backend and front-end levels. Additionally experienced in risk management, procurement, and governance.

## GENERAL SKILLS AND INTEREST

- Software development (**coding**: [specialized in backend technologies])
- Server and database administrator
- System configuration and analysis
- Good computer typing skills of about 60 words per minutes (WPM).
- Good oral communication skill as well as written English.
- Socialization and polite competency
- Knowledgeable in health, Safety and Environment
- Creative, analytical, exude self-confidence, poise and result oriented
- Majorly interested in technology, AI, design and programming

## PROFESSIONAL EXPERIENCE

ALX Software Engineering

Job Description: **Internship Program**

## PROJECTS CARRIED OUT AT ALX-SE

**Lessonpedia Web Application | 2022 - Present**

### *Backend Developer*

- Collaborated with a team of three backend engineers to develop Lessonpedia, a comprehensive web application handling client, tutor, and app\_admin functionalities using Django.
- Took charge of the client-side development, backend implementation, and API creation, all hosted on [lessonpedia.pythonanywhere.com](https://lessonpedia.pythonanywhere.com). Successfully integrated a payment gateway using Paystack, facilitating transactions between clients and tutors.

## Kasuwa E-commerce Website | 2022

### **Backend Developer**

- Contributed to the development of the Kasuwa e-commerce website in a team of three. Utilized SQLAlchemy to design and implement database schemas and relationships.
- Played a key role in creating the category page, authentication system, order processing logic, cart functionality, and integrated the Paystack payment gateway for seamless transactions. The project is hosted on [engentech.pythonanywhere.com](https://engentech.pythonanywhere.com).

### **Full Stack Developer**

Developed an AirBnB clone website, showcasing proficiency in backend development. Although not hosted, the project code can be found on my GitHub repository.

## C Language Projects | Various

### **C Developer**

Developed a printf function and a simple shell program using C language, demonstrating expertise in low-level programming. Leveraged specific libraries to achieve functionality.

## Other Engagements

Heritage Polytechnic, Eket, Nigeria

2021 till date

Job Description: **Lecturing and Assistant Web Master**

### **Responsibilities**

- ❖ Update school server and publish students result
- ❖ Manage school database by performing CRUD operations
- ❖ Joined the Web Master to build and maintain backend code using python and ES6
- ❖ I took care of the script for user authentication.
- ❖ Lecturing in areas concerning computer and mathematics
- ❖ Guide students to build programming projects
- ❖ Guide and direct students on web development and deployment
- ❖ Seminar and project supervision
- ❖ General orientation to enhance academic success
- ❖ Invigilating exams and writing report to appropriate authority

Heritage Polytechnic, Eket, Nigeria

2019 - 2021

Job Description: **Technologist**

### **Responsibilities**

- ❖ Guide students on system repairs and maintenance
- ❖ Carry out routine checks on office systems and ensure adequate update and upgrade of system hardware and software components

- ❖ Carry out daily checks in offices and laboratory to ensure proper system shut down and isolating devices from mains where necessary
- ❖ Carry out networking on systems to ensure proper data communication between connected systems
- ❖ Guide students in writing comprehensive codes to perform user desired computational task
- ❖ Compute result base on student's practical performance and forward same to the course lecturer for further scrutiny
- ❖ Guide students to assemble and clone system in respect to user desired specifications
- ❖ Guide students on system installation (hardware and software) and configurations
- ❖ Guide students to embrace today's technology especially virtual control systems in the likes of github
- ❖ Guide students to be creative in thinking, poised and versatile by giving research topics and elaborating the findings.

Multishield Limited

2015

Ikorodu, Lagos, Nigeria

Job Description: **Assistant ICT Engineer**

#### **Responsibilities**

- ❖ Regular system maintenance and upgrade when due
- ❖ Networking assistant administrator
- ❖ Installing newly procured systems, configure the said system and add same to the existing computer networks of the firm
- ❖ Routine computing environmental checks
- ❖ Data-base review and data updating
- ❖ Safety sensitization/supervision in computing environments
- ❖ Cloning of systems suitable for the establishment
- ❖ Assembling and disassembling of computer systems

#### **DAILY SOFTWARE ENGAGEMENTS**

**Programming Languages** {Python, ES6, C-language, SQL, HTML, CSS, Bash, JQuery}

**Frame-works** {Django, Flask}

**Office programs** {Word processing, Spreadsheet(excel), Power-point, Access}

**CAD programs** {Auto-CAD, Corel-draw}

**Virtual Control** {Git/Github [[EnGentech \(Engr. Gentle Inyang\) \(github.com\)](https://github.com/EnGentech)]}

**Cloud computing** {google applications, draw.io, github, intranet, cloud storage services etc}

**Operating System** {Linux, Windows, Android}

## PROJECT ENGAGEMENTS WITH LINKS

- ✓ Design and implementation of an institutional webservice with chartroom services name LESSONPEDIA [Ongoing Portfolio Project]: [Gibexz/Portfolio-Project-EasyLearn \(github.com\)](#)
- ✓ Design and implementation of an e-commerce webservice named KASUWA: [EnGentech/Kasuwa-Service at EnGentech \(github.com\)](#)
- ✓ Collaborated with the web master to build HeritagePolytechnic portal: [Heritagepoly | ePortal](#)
- ✓ Design and implementation of a mock e\_laundry Web application: [EnGentech/e-laundry application: My first web application test case \(github.com\)](#)
- ✓ Shell, navigation, emacs, vi, git, professional technologies, vagrant: [EnGentech/alx-system engineering-devops: the beggining of ALX devops programs \(github.com\)](#)
- ✓ C-language [printf project, simple shell project and others]: [EnGentech/alx-low level programming: Programming in C language begins \(github.com\)](#)
- ✓ Python-language [python basics, class and objects, test-driven development, Airbnb clone:{console, web-static, mysql, deploy static}, rest api, python-Network]: [EnGentech/alx-higher level programming: high level programming using python language \(github.com\)](#) and [EnGentech/AirBnB clone v2: The phase of deployment \(github.com\)](#)
- ✓ MySQLdb [create, query, populate, join, drop, bash automation and more]: [EnGentech/alx-higher level programming: high level programming using python language \(github.com\)](#)
- ✓ DevOps: [working with bash scripts, creating automations, server-configuration {nginx for web server and haproxy for load balancer}, linux command scripts and aliases]: [EnGentech/alx-system engineering-devops: the beggining of ALX devops programs \(github.com\)](#)
- ✓ Video Content publications: [\(3\) EnGen Technology - YouTube](#)

## ARTICLES

1. Title: What happens when you enter <http://www.google.com> and press enter  
Link to resource: [What happens when you type google.com in your browser and press Enter | by Iberedem Inyang | Jul, 2023 | Medium](#)

## ACADEMIC CERTIFICATES

National Youth Service Corp (NYSC)	- 2019
Bachelor of Engineering (Second Class Honor [Upper Division]) in Computer Engineering	- 2019
West African Examination Council	- 2012
Testimonial	- 2002

## **PROFESSIONAL CERTIFICATES**

ALX Software Engineering Africa powered by Holberton University	- due by Jan 2024.
Health and Safety (HSE level 1, 2 and 3)	- 2020
Environment Impact Assessment [Department of Petroleum Resources]	- 2020
Basic First AID/CPR	- 2020
Diploma in Computer Information Technology	- 2010

## **DISSERTATIONS/SCHOOL PROJECTS**

- ✓ Currently working on a web application for Heritage Intuition title: "Question Bank" with possible solutions
- ✓ Assembling and Networking newly imported systems in Heritage Polytechnic Laboratories and managerial offices for practical and managerial utilization respectively (2021).
- ✓ Design and implementation of Windows Application software to calculate student's GPA/CGPA result titled [Digital Polytechnic Grade Corollary (DIPOGO)]. A case study of Heritage Polytechnic students. (Project – 2018), Using Visual Basic.net programming language and Microsoft Access software for its database.
- ✓ Application of Artificial Intelligence (AI) computer system in medical sector. [Robotics as surgical assistance in medical sector]. A case study of Da-vinci surgical Robot. (Seminar – 2017)

## **PROFILE**

Confident, Organized, Hardworking, God fearing and tolerant with excellent communication flow perception and effectiveness in a stable organization.

## **HOBBIES**

[Reading, Computer Research, Technological Experiment]

## **REFEREES**

Available on request