**INYANG, IBEREDEM UDO**

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

LinkedIn: [Iberedem Inyang | LinkedIn](https://www.linkedin.com/in/iberedem-inyang-3b88ba223/)

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

**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. 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.

***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 our 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)](https://github.com/Gibexz/Portfolio-Project-EasyLearn/tree/main)
* Design and implementation of an e-commerce webservice named KASUWA: [EnGentech/Kasuwa-Service at EnGentech (github.com)](https://github.com/EnGentech/Kasuwa-Service/tree/EnGentech)
* Collaborated with the web master to build HeritagePolytechnic portal: [Heritagepoly | ePortal](https://heritagepoly.edu.ng/eportals/index)
* Design and implementation of a mock e\_laundry Web application: [EnGentech/e-laundry\_application: My first web application test case (github.com)](https://github.com/EnGentech/e-laundry_application)
* Shell, navigation, emacs, vi, git, professional technologies, vagrant: [EnGentech/alx-system\_engineering-devops: the beggining of ALX devops programs (github.com)](https://github.com/EnGentech/alx-system_engineering-devops)
* C-language [printf project, simple shell project and others]: [EnGentech/alx-low\_level\_programming: Programming in C language begins (github.com)](https://github.com/EnGentech/alx-low_level_programming)
* 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)](https://github.com/EnGentech/alx-higher_level_programming) and [EnGentech/AirBnB\_clone\_v2: The phase of deployment (github.com)](https://github.com/EnGentech/AirBnB_clone_v2)
* MySQLdb [create, query, populate, join, drop, bash automation and more]: [EnGentech/alx-higher\_level\_programming: high level programming using python language (github.com)](https://github.com/EnGentech/alx-higher_level_programming)
* 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)](https://github.com/EnGentech/alx-system_engineering-devops)
* Video Content publications: [(3) EnGen Technology - YouTube](https://www.youtube.com/channel/UCYmk2Fu0B1nre0N2Q05Zp_A)

**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](https://medium.com/@engen.inyang/what-happens-when-you-type-google-com-in-your-browser-and-press-enter-5431d0510d29)

**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