INYANG, IBEREDEM UDO

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LinkedIn: Iberedem Inyang | LinkedIn
Virtual Control Link [ICT code base]: EnGentech (Engr. Gentle Inyang) (github.com)

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)]}

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)](github.com)
- ✓ Design and implementation of an e-commerce webservice named KASUWA: [EnGentech/Kasuwa-Service at EnGentech (github.com)](github.com)
- ✓ Collaborated with the web master to build HeritagePolytechnic portal: [Heritagepoly | ePortal](github.com)
- ✓ Design and implementation of a mock e_laundry Web application: [EnGentech/e-laundry_application: My first web application test case (github.com)](github.com)
- ✓ Shell, navigation, emacs, vi, git, professional technologies, vagrant: [EnGentech/alx-system_engineering-devops: the beggining of ALX devops programs (github.com)](github.com)
- ✓ C-language [printf project, simple shell project and others]: [EnGentech/alx-low_level_programming: Programming in C language begins (github.com)](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)](github.com) and [EnGentech/AirBnB_clone_v2: The phase of deployment (github.com)](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)](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)](github.com)
- ✓ Video Content publications: [(3) EnGen Technology - YouTube](youtube.com)

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](medium.com)

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