

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 \(Engr. Gentle Inyang\) \(github.com\)](#)

HIGHLIGHTS/COMPETENCIES

Highly skilled 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, optimizing system architecture, and enhancing backend performance.

Experienced in remote work environments, adept at leveraging collaboration tools like Zoom, Microsoft Teams, and Google Meet for effective communication and virtual team collaboration. Proven track record of delivering scalable web applications and contributing to project success through collaborative teamwork and innovative problem-solving.

PROFESSIONAL EXPERIENCE

Gamescrye

Job Description: **Managing and Scaling Web application [Remote job]**

Website: [New tab \(gamescrye.com\)](https://newtab.gamescrye.com)

Technologies: **[Wordpress, PHP, React, Docker, MySQL, Django]**

Responsibilities:

- Scaling website infrastructure to handle increased traffic and workload
- Optimizing backend code for improved performance and efficiency
- Utilizes Trello board and Git for seamless remote collaboration

ALX Software Engineering

Job Description: **Internship Program**

Technologies: **[Python, C, MySQL, Bash, Linux, HTML, CSS, JavaScript]**

PROJECTS CARRIED OUT AT ALX-SE

Lessonpedia Web Application | 2022 - 2023

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.
- Scaled Lessonpedia's infrastructure to accommodate growing user base and traffic.
- Integrated a payment gateway logic using Pystack API

Kasuwa E-commerce Website | 2022

Backend Developer

- Contributed to the development of the Kasuwa e-commerce website in a team of three.
- 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.

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**

As a Lecturer and Assistant Web Master, I've spearheaded transformative learning experiences in programming and web development, including:

- Orchestrating server updates and overseeing seamless publication of student results, ensuring a dynamic academic environment.
- Mastering database management through proficient execution of CRUD operations, optimizing data flow for efficient student tracking and reporting.
- Co-leading the backend development team alongside the Web Master, leveraging Python and ES6 to architect and maintain robust school infrastructure.
- Pioneering user authentication scripts, fortifying digital security protocols within the school's technological ecosystem.
- Delivering captivating lectures on computer science and mathematics, inspiring students to delve into the depths of programming paradigms.
- Mentoring budding programmers in project execution, fostering hands-on experience in building innovative software solutions.
- Guiding students through the intricacies of web development and deployment, nurturing a generation of skilled developers poised for success.
- Overseeing seminars and project supervision sessions, nurturing a culture of academic excellence and innovation.
- Conducting exam invigilations with precision and integrity, ensuring a fair and conducive environment for student assessments.

Job Description: **Assistant ICT Engineer**

Responsibilities

- Conducting regular system maintenance and upgrades, ensuring optimal performance and reliability.
- Assisting in network administration tasks, facilitating seamless connectivity across organizational systems.
- Facilitating seamless integration of newly procured systems into existing networks, ensuring minimal disruption to operations.
- Conducting routine computing environmental checks, pre-emptively identifying and addressing potential issues.
- Managing database review and data updating processes, ensuring accurate and up-to-date information for informed decision-making.
- Spearheading safety sensitization and supervision initiatives, promoting a culture of security and compliance within the organization.
- Facilitating system cloning and assembly processes, streamlining infrastructure expansion efforts.
- Providing expert support in system assembly and disassembly, ensuring efficient hardware management and utilization.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, SQL, HTML, CSS, JavaScript, Bash, MongoDB
- **Frameworks:** Django, Flask
- **Office Programs:** Microsoft Office Suite
- **Version Control:** Git/GitHub
- **Cloud Computing:** Google Applications, GitHub, Cloud Storage Services
- **Operating Systems:** Linux, Windows
- **Video Conferencing:** Zoom, Microsoft Teams, Google Meet

PROJECT ENGAGEMENTS

- Remote management and Scaling Backend infrastructure for effective optimization for Gamescrye
- Design and implementation of institutional question bank and lecture resources webservice for Heritage Polytechnic, Eket, Nigeria
- Development of institutional webservice with chatroom services named LESSONPEDIA

- Implementation of e-commerce webservice named KASUWA
- Collaboration on Heritage Polytechnic portal development
- Design and implementation of mock e-laundry web application

EDUCATION

Bachelor of Engineering in Computer Engineering - 2019

National Youth Service Corp (NYSC) - 2019

PROFESSIONAL CERTIFICATES

- ALX Software Engineering Africa powered by Holberton University - 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

HOBBIES

[Reading, Computer Research, Technological Experiment]

REFEREES

Available on request