

# Udo, Aniekan Sunday

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## Professional Summary

Detail-oriented Chemical Engineering graduate with expertise in process optimization, quality assurance, and digital technologies. Passionate about leveraging innovative engineering solutions to enhance operational efficiency, reduce downtime, and drive sustainability in the energy sector. Experienced in collaborating with multidisciplinary teams to implement data-driven strategies for production optimization. Committed to advancing energy transition initiatives, improving asset performance, and delivering cost-effective solutions for long-term industry growth.

## Work Experience

### Quality Control Assistant (Grease Production)

Crest Point Nigeria Limited, Owerri, Imo State | 2023 - 2024

- Optimized grease production workflows, contributing to a 10% reduction in production costs.
- Ensured compliance with environmental and industry regulations through rigorous quality control testing.
- Collaborated with engineers and technicians to implement innovative solutions for production challenges, minimizing downtime by 15%.
- Conducted process analysis to identify and rectify inefficiencies, enhancing overall operational performance.
- Developed detailed operational plans and incorporated lessons learned to improve efficiency.
- Participated in pre-walkthrough exercises to ensure readiness and adherence to safety standards.

### National Youth Service Corps (NYSC)

Chemistry and Physics Teacher – Community Secondary School , Rumuekini, Rivers State.

2022 - 2023

- Delivered engaging lessons in Chemistry and Physics, simplifying complex scientific concepts for better student understanding.
- Designed and implemented practical experiments to enhance hands-on learning and problem-solving skills.
- Mentored students, preparing them for inter-school science competitions and fostering a passion for STEM fields.

### **Backend Web Developer**

Personal Projects | 2019-Present

- Engineered backend solutions for web applications using Nest.js and other modern technologies.
- Designed scalable database architectures and implemented seamless API integrations.
- Collaborated on team projects to create user-friendly systems, optimizing workflows for diverse industries.

### **Freelance 3D Modeler**

Upwork | 2020-Present

- Successfully completed multiple 3D modeling projects for clients using Blender.
- Delivered high-quality, precise, and visually compelling designs tailored to client requirements.

## **Education**

### **B.Eng. in Chemical Engineering**

Michael Okpara University of Agriculture, Umudike | 2015-2022

- Graduated with Second Class Upper Division.
- Developed a strong foundation in chemical processes, industrial operations, and production technologies.

### **West African Senior School Certificate (WASSCE)**

Great Faith Comprehensive College, Utu Ikot Ekpo, Akwa Ibom State | 2015

### **First School Leaving Certificate**

St. Anne's Catholic School, Ifuho, Ikot Ekpene, Akwa Ibom State | 2007

## **Technical Skills**

- **Oil and Gas Engineering:** Process optimization, cost-saving methodologies, production workflows.
- **Engineering Tools:** Proficient in process simulation and optimization techniques.
- **Backend Development:** Nest.js, Node.js, SQL, MongoDB.
- **3D Modeling:** Blender (industrial and architectural designs).
- **General Skills:** Microsoft Office Suite, project management tools, and database management.

## **Certifications and Training**

- Completed online courses in Backend Web Development (Nest.js).
- Self-taught 3D modeling expert using Blender for industrial applications.
- Ongoing training in advanced database management and .energy-efficient production technologies

## **Projects**

- Collaborated with a team to create safety-focused operational plans in a grease production environment, reducing downtime and improving compliance with industry standards.
- Worked alongside a team to design and implement a database-driven exam management system with automated grading features, showcasing problem-solving and efficiency in software development.

## **Personal Attributes**

- Strong teamwork and collaboration abilities.
- High attention to detail and commitment to quality.
- Quick learner, adaptable to new technologies and dynamic environments.

## **References**

### **Engr. Paul Sunday Akpan**

Yusal Teleview Nigeria Limited  
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### **Engr. Promise Micheal Udoh**

Halliburton Energy Service Nigeria Ltd.  
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