

FRANK-OPIGO A. EMMANUEL

SOFTWARE DEVELOPER

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SUMMARY

Hey, I'm Frank, software developer with 6 years of experience, some people know me as Jarvis. I'm driven by my passion for continuous learning and staying updated in this dynamic field. I believe my dedication to learning and my commitment to applying new knowledge can contribute to delivering exceptional results in this role, and to be less official. I just enjoy building things. So I take the extra hours to figure things out.

WORK EXPERIENCE

Junior Frontend Developer, Niger Delta University/ICT Centre

2021 – 2022

- Improved usability of home and contacts pages which improved user experience and caused a build-up in traffic
- Designed user interfaces for better navigation and attractive graphics that gave a better user experience
- Responsible for managing MySQL database tasks and enhancing web app functionality, which in turn caused a more seamless Database user interaction, allowing CRUD operations to occur with ease.

Smart Contract Developer/ Tech Lead, Incrypto-Encrypted

2022 – 2023

- Using the NEAR Protocol ecosystem, built a web3 social network that would provide a specialised platform for content creators offering digital services
- Served as the Tech Lead in an Octopus Network hackathon and led the team to a second place victory
- Led and supervised the production of the frontend User Interface as well as the smart contract processing for the applications workflow, which achieved improved application performance.

Desktop Developer, Feasibility Giant Company Ltd.

2022 – 2025

- Using Python to build and modify the user interface and C++ for the core functionality of the application.
- Continuously updated skills through training courses, workshops, and self-study-staying current on industry trends and emerging technologies.
- Debugged complex software issues, leading to a more stable product release.
- Adapted quickly to new technologies and programming languages, enhancing overall team productivity.
- Conducted thorough code reviews to ensure adherence to coding standards and best practices.

EDUCATION

Bachelor of Science in Computer Science, NIGER DELTA UNIVERSITY

2019 – 2023

ALX Software Engineering (BackEnd Specialized),

2022 – 2023

ALX SOFTWARE ENGINEERING PROGRAMME

SKILLS

JavaScript/TypeScript — Proficient

Vue 3, Redux, Tailwind, NextJS, Express, React, Node

Python — Proficient

numpy, scipy, matplotlib,

os, sys, shutil, pathlib, pyopengl

Flask(Python) — Proficient

PHP — Proficient

Algorithms Design — Expert

Networking — Proficient

SOLANA — Competent

Anchor, Seahorse

SQL (MYSQL/MONGODB) — Proficient

C++ — Proficient

Opengl, vtk, Opencascade, Qt, Eigen

Rust — Competent

Anchor

PROJECTS

3D interface using Trame and VTK (Python), *Used for importing*

01/2025 – 03/2025

An interactive 3D interface built with Trame and VTK using Python, allowing users to import and visualize and explore complex geometries or simulation data directly in the browser.

A simple face recognition application(Python)

A basic face recognition application built with Python and OpenCV that can detect and identify faces in real-time from images or a webcam feed.

Openfoam GUI for Simulation

03/2025 – 05/2025

A graphical user interface (GUI) for OpenFOAM that simplifies setting up, running, and visualizing CFD simulations without needing to use the command line.

AirBNB clone using Flask(Python)

09/2022 – 11/2022

A basic clone of the Airbnb platform built with Flask (Python), featuring user authentication, property listings, and booking functionality to simulate real-world rental interactions.

MERN Chat App (ReactJS/NodeJS)

E-Commerce Website (Next JS)