

# Ifoghale Cornelius Oghenemaro

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<https://github.com/CornelMaze>

<https://cornelprime.com/>

## EDUCATION

### University of Nigeria

Bachelor of Science (BSc) - Industrial Physics. (Second class Upper)

## SKILLS

Frontend Programming Stack	Years of Experience
HTML5, CSS, Bootstrap, w3-css	6 years
Javascript (ES6)	6 years
Typescript	4 years
Angular	4 years
Ionic	4 years
React	3 years
React Native	2 years

Backend Programming Stack	Years of Experience
PHP (Slim)	3 years
Laravel	2 years
NodeJS	3 years
Express	3 years
Java	1 year
SpringBoot	6 months
MongoDB	3 years
MySQL/PostgreSQL	4 years

**Tools:** Android studio, Github, Visual Studio code, Postman, Bitbucket, Jenkins, Digital Ocean

**Testing Tools:** Unit and Integration Tests with Jasmine, Jest, and Karma

**Technical Competencies:** Software Engineering, Full Stack Web Development, Api Design and Development, MVC Development, UI/UX Design, Responsive Design, System Design, Knowledge of Object Oriented Programming, Strong Debugging and Troubleshooting skills, CMS (Wordpress)

**Non Technical Competencies:** Writing, Speaking, Presenting, Leadership, Project Management, Design Thinking, Great Communication, Agile Development, Managing Expectations

**Languages:** English

**Others:** Quick onboarding and picking up new languages or tools.

## EXPERIENCE

### OpenCRVS Open Source Project

#### Dhaka, Bangladesh

August 2022 - December 2022

FullStack Engineer (React, Typescript, NodeJS, MongoDB, Elastic Search, InfluxDB)

- Implemented the Opencrvs civil registration application for Nigeria
  - A Civil Registration and Vital Statistics (CRVS) system that records details of all major life events, such as births, deaths, marriage and divorce.
  - It allows for printing of birth or death certificates.
  - You can work with no connectivity and send applications when you are reconnected.
  - Advanced search: Advanced search query to find an exact record when you don't have tracking ID or Reg No.
  - Vital Statistics Export: Extract registration data without personal identifiable information (PII) for use by statisticians in programs such as RStudio
  - Prevent access to patient data by authentication
  - Locked patient files while being worked on by other authorized users
  - User audit: View and track the history of every action performed by a user.

### SeamHealth Technology

#### Abuja, Nigeria

November 2021 till date

Senior Frontend Engineer (Typescript, Angular, Ionic, React Native)

- Worked in a frontend team of four(4) engineers and a backend team of four(3) engineers.
- Managed a \$100,000 USD HTS project for the Institute of Human Virology in Nigeria that:
  - connected people to post-HIV care, such as medicine;
  - analyzed data on persons with HIV.
  - connected people with facilities
  - Implemented offline capabilities for registration where there is no network coverage and syncing capabilities when network is available.
  - Developed using Angular, React Native, Java SpringBoot and Postgres.
- Worked with the team to develop a Mobile and web application for E-lab Sample Referral and Tracking System(ELSRT)
  - effectively tracks and monitors specimen movement to appropriate designated testing laboratories to ensure a quick turnaround time

- provide real-time data visibility for ownership, sustainability and a lean operation of an integrated specimen referral and transportation network
  - GPS tracking technology to track a transporter's current location, process timelines and trip history with GPS on their mobile device, show their location on a digital map and broadcast the GPS data on a computer, smartphone, or tablet for monitoring and reporting.
  - Delivery Status to keep track of pending, ongoing and delivered specimens
  - Barcode Scanner for specimen verification at the point of pick up
  - SMS, email and in-app notification center to give reminders on pending or incomplete actions to be carried out.
  - Tracks movement of samples across Nigeria from sentinel sites of Nigeria Centre for Disease Control (NCDC) to the National Reference Laboratory
  - Developed using Angular, Ionic, Java SpringBoot and Postgres.
- Worked with the team to develop a post vaccination follow-up tracking system using USSD and WhatsApp Chatbot Interface technology and a Laboratory Information Management System (LIMS) in a single web application for EKITI state.
    - Provides the Ekiti State Ministry of Health and Human Services with a single web application that consists of the Laboratory Information Management System (LIMS) for the management of laboratory samples and the associated results, and a Post COVID-19 vaccination follow-up tracking system using a USSD and WhatsApp Chatbot Interface technology.
    - give answers to periodic screening questions on any possible side effects or allergic reactions
    - The input is registered on the web application and can be monitored and evaluated with data reports
    - The LIMS will allow for effective management of the flow of laboratory samples and associated data to improve lab efficiency, workflows, tests, and procedures while providing accurate controls of the process
    - Developed using Angular, Java SpringBoot and Postgres.
- Developed and deployed the company's first React Native application.
  - Lead the team in developing Mobile and Web application for breast cancer monitoring (BRIDGE) that:
    - A simple and effective solution for early detection and reduction of delays in the diagnosis of breast cancer among women in rural areas of Nigeria.
    - Used by trained community health workers (CHWs) and provides a clinical patient referral service that guides women through the healthcare system to a definitive diagnosis at a designated referral hospital.

- connects patients with hospitals for treatment and surgery.
- Book appointments with facility personnels.
- monitor patients' advancement within the system.
- Developed using Angular, Ionic, Java SpringBoot and Postgres.
- Trained a junior developer to come up to speed with code optimization via some algorithms and clean code.
- I ensure that team member codes are reviewed, updated, and merged.
- Setup frontend environment for development and continuous deployment using Jenkins, Bitbucket, Digital Ocean.
- Used git on bitbucket to version code appropriately, review, approve and merge code as expected.
- Used jira board to organize my road map.

## **Sun-dimension ltd**

### **Abuja, Nigeria**

March 2020 - Feb 2021

FullStack Engineer (Php, Laravel, Angular and Bootstrap)

- Developed complete API system for task collection
- Teaching of students
- Built an online housing booking system
- Built an Estate Management system

## **Accomplishments**

- Promoted twice within 6 months
- Worked as the Team Lead in both positions and effectively coordinated the team to surpass previous accomplishments
- Worked effectively with an international team and understands various project structures and code base