

# Mmuokuba Michael Chiemerie

## Full stack web developer

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in Mmuokuba Michael

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📌 Zindi

## Profile summary

- I am full stack web developer with six years of exceptional programming experience.
- i excel in crafting both front end and back end functionality using various programming languages.
- my expertise extends across a wide array of website types, including static, dynamic, e-commerce, web applications, responsive, and API-driven websites.
- Additionally, i bring a unique skill set as a data analyst and machine learning specialist, enabling me to integrate advanced analytical capabilities into web projects for enhanced functionality and user experience.

## Professional Experience

### Independent freelancer

fullstack web developer

Nov 2021 – present

- Developed a construction company consultancy website using Django, JavaScript, HTML, and Bootstrap. Implemented Celery Beat with a Redis channel to schedule timely updates for users, enhancing client retention and website engagement.
- Successfully migrated an ecommerce website from Heroku to AWS EC2, leveraging Ubuntu, resulting in enhanced website performance and reduced server costs.

## Technical stack

### Web development

● ● ● ● ● ●  
Html, CSS, Javascript, Django, Flask, Nodejs, express  
js Restful API, React, React Redux

### Cloud deployment and containers

● ● ● ● ● ●  
AWS EC2, Heroku, Git, Docker

### Data science/Machine Learning

● ● ● ● ● ●  
python, keras, sklearn, panda, numpy, transfer  
learning, transformers, ensemble  
modeling, opencv, spacy, NLTK, imagenet, beautiful  
soup,

### programming language

● ● ● ● ● ●  
python, javascript, SQL, C++, Html, CSS

## personal Projects

### Web chat App

<http://44.203.89.64/login>

Mar 2023 – present

- Developed a web chat app using:
  - Django and Django Rest Framework for backend.
  - Reconnecting WebSocket and Redis as the channel layer.
  - React, React Redux, and Bootstrap for frontend.
- Features include:
  - Account creation and profile updates.
  - Group chat creation and management.
  - Sending and receiving friend requests.
  - Chatting and replying to messages.
  - Blocking and unblocking users.
- Deployed on AWS EC2 cloud server via GitHub.

### E-commerce demo project

2023

- Developed scalable ecommerce website with:
  - Django backend.
  - Bootstrap, JavaScript, HTML for frontend.
  - Jinja web template for database interaction.
- Integrated payment handling via Stripe API and webhooks.
- Displays feedbacks and ratings for successful purchases.
- Automatically disables or reduces item counts when out of stock or after successful purchase.

- Executed seamless database backup and migration from Heroku PostgreSQL to AWS RDS PostgreSQL for a student ecommerce website, yielding cost savings and expanded storage capacity.

## Internships + Training

### LevelUp Anambra Digital Skills Training

by Solution Innovation District (SID) in partnership with Mirosoft and Wootlab foundation

Apr 2023 – present | Awka, Nigeria

- levelup anambra program is a digital skills training program designed to help take one career or bussiness to next levels through programs like **Digital Marketing, Web Design, Graphic Design, Productivity Tools and Digital Entrepreneurship**

### AI bootcamp

Data Science Nigeria

Oct 2021 – Nov 2021

- The DSN (Data Scientists Network formerly known as Data Science Nigeria) AI Bootcamp – a gathering of the best of the best, taught and mentored by world-class experts.

## Certificates

### LEVELUP ANAMBRA DIGITAL SKILLS TRAINING on Web Design

offered by Wootlab Foundation on May 03, 2023

### Web scraping in python

Datacamp

### Feature Engineering for Machine Learning in python

Datacamp

### Unsupervised learning in python

Datacamp

### Image processing in python

Datacamp

## Languages

English 

Igbo 

## Frontend Development Projects

Frontend Playground

Dec 2023 – present

- Cloned responsive Jumia and YouTube home pages using HTML, CSS, and JavaScript.
- Demonstrated proficiency in frontend development by replicating complex layouts and functionalities.
- Showcased ability to create responsive designs that adapt seamlessly to different screen sizes.
- Highlighted skills in HTML, CSS, and JavaScript through practical application in real-world projects.

### Web base quiz app

2021

- Developed using Django framework for backend and Bootstrap, JavaScript, HTML, and Ajax for frontend.
- Displays time remaining for the quiz.
- Submits and displays quiz results to the user.

### Students assistant chat bot

2021

- Developed a department-specific chatbot using:
- TFLearn deep learning library on top of TensorFlow for accelerated API processing.
- Flask framework for backend.
- Deployed on Heroku.
- Integrated Twilio WhatsApp API for backend server communication.

## Awards

### GRID3 Nigeria Data Challenge: running analyses that can solve issues related to food security, health, finance, and transportation in Lagos

Grid3

18 Mar 2021

### Two gold medalists

Zindi

## Education

### Bsc/Mechatronics Engineering

Federal University of Technology Owerri

2016 – 2023 | Owerri, Nigeria

Interests

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- Web development
- AI/ML

Soft skills

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Creativity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Communication	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Time management	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>