

OKONKWO SYLVESTER

Fullstack Software Developer/Data Scientist

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Beijing, China



EXPERIENCE

Data Scientist

IQAir, AirVisual

02/2018 - Ongoing Beijing, China

https://www.iqair.cn/

First in Air Quality

- Successful migration of Airvisual's monolithic backend to amazon web service's serverless architecture.
- Designed an AI system which boosted the quality of air pollution measurement AQI accuracy to 86%.
- Designed a pollution forecasting system using machine learning techniques.

Fullstack Software Developer

Freebe Limited

09/2015 - 12/2017 Harbin, China

Mobile business on the go

- Anchored a 3-person team in the designed, development and deployment of a mobile/web based utility application for fund transfer and small scale business management.
- Integration of the freebe mobile application with 3rd party services which increased customer base by about 60%.
- Design and development of plugin services (Uber-like taxi hailing service etc)

Software Developer

Seamfix Nigeria Limited

08/2010 - 09/2013 Lagos, Nigeria

https://seamfix.com

Delivering business value through custom enterprise solutions

- Team lead in the development of a product distribution and fleet management automation ERP solution for a Nigerian oil and gas company (Oando PLC).
- Increased fleet scheduling efficiency, delivery time and overall productivity.
- Backend developer (team member) in implementing an online high school management grid system.
- Airtel Know You Customer development team player.
- Backend developer (team member) in the design of a payroll application PrimePay.
- Verify, prioritize, and fix software bugs.

MOST PROUD OF



Extremely Self Driven

My passion motivates me, I excel without the need for any form of external drive.

LANGUAGES

English

Advanced



Chinese

Intermediate



Russian

Beginner



PROJECTS

Air Quality Monitor

02/2018 - Ongoing Beijing, China

- Boosting quality of pollution monitoring station measurements using AI procedures.
- Predicting future air quality index (AQI) from historical data.

Freebe

09/2015 - 12/2017 Harbin, China

- An instant fund transfer service backed with an enterprise resource planning backend.
- It's mobile application enables a payer/initiator perform mobile fund transfer by simply scanning a payee generated QR code or by entering its destination bank account details.

EDUCATION

M.Sc Control Science and Engineering

Harbin Institute of Technology

09/2013 - 07/2015 Harbin, China

- Flight dynamics and control.
- Nonlinear model predictive programming.
- Optimal control techniques and algorithm implementation using MATLAB/OCTAVE.
- Machine learning and neural network design.

B.Sc Electrical and Electronics Engineering (Magnum Cum Laude)

Covenant University

09/2005 - 07/2010 Ogun, Nigeria

- Linear systems theory.
- Circuit theory.
- Linear algebra.
- Power system analysis.

GPA

4.86 / 5.0

STRENGTHS



Enthusiastic and proactive.



Great team player.



Hard working.



Dependable.

AWARDS



China Scholarship
Council Graduate
Scholarship Award



Nigeria Delta State
Graduate Scholarship
Award

PROJECTS

Oando EVAP

02/2011 - 11/2012 Lagos, Nigeria

Electronic Value Added peddling

- Design and development of an online shopping cart in 2011.
- This has become a fast, convenient and efficient way to get Oando products delivered to customers at their doorsteps.

PrimePay

06/2012 - 03/2013 Lagos, Nigeria

- PrimePayroll™ is an enterprise cloud service for Human resource and payroll management, tailored to the needs of small and medium enterprises in Nigeria.
- It adopts best practices while conforming to a high degree of flexibility in its architecture.

KYC SUITE

10/2010 - 02/2011 Lagos, Nigeria

- KYC captures essential subscriber/customer bio-data (Name, DOB, contact info, photo & fingerprint etc), which is temporarily stored on the client device and pushed to a central database for record purpose.

CERTIFICATION

Sun Certified Java Programmer (SCJP)

Microsoft Certified Software Developer (MCSD)

Machine Learning in Python

Data Science and Machine Learning in MATLAB

FreeCodeCamp Certified Front-End Developer

FreeCodeCamp Certified Back-End Developer