Michael O. ODEGBARO

PLACE OF BIRTH: Osun, Nigeria
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EDUCATION

Master of Science in Computer Applications, Jamia Hamdard University, New - Delhi, Delhi, India.
8.9 / 10 (First Class)
Jul 2015

Bachelors of Science in Computer Technology, Babcock University, Ilishan-Remo, Ogun, Nigeria
3.7 / 5.0 (Second Class Upper)
Jun 2010

SKILLS

Language(s)	Framework(s)	Database(s)	Server(s)	Tool(s)
PHP (Expert)	Laravel (Expert)	MySQL / MariaDB (Expert)	Apache (proficient)	Git, Github & GitFlow (Expert)
Python (Expert)	Django, Django Rest Framework (Proficient) FastAPI (Proficient)	PostgreSQL (Proficient)	Nginx (Proficient)	Digital Ocean(Proficient) Google Cloud Platform (Proficient)
Go (Proficient)	Gorilla or Gorilla web toolkit (Proficient)			Docker & Kubernetes (Proficient)
C++11 (Proficient)				

AWARDS AND CERTIFICATES

Certificate of Merit for appearing on the dean's list.

WORK EXPERIENCE

Lead Software Developer at Konga Pay, Lagos, Nig. (*Software Engineer*)

September 2018 - Present
- Development and implementation of product backlog.
- Third Parties API Integration.
- Database creation, integration and management.
- Creation of modules using Magento 2
- Containerizing of apps with docker.
- Monitoring & trouble shooting of docker containers on Kubernetes
- Code reviews.

Stack:
- PHP & Nodejs
- Phalcon, Laravel, Magento 2, & ExpressJS
- MySQL, Elastic Search & Redis DB
- Git, Gitlab & Jira
- Apache & Nginx
- Docker & kubernetes
- Google Cloud Platform (GCP)

Lead Back-end Developer at Envelope.io Lagos, Nig. (*Software Engineer*)

April 2016 - Aug.2018
- Development and implementation of product backlog.
- API Integration.
- Database creation, integration and management.
- Fine tuning of geo-coordinates queries.
- Security settings and prevention of hacks.
- General reporting i.e generating analytics about server load, number of visitors, geography of visitors and many more.
- Sharing tasks and assigning timeline to other developers.
- Code reviews.
- Design and development of continuous integration and continuous deployment pipelines on bitbucket.

Stack:
- Python, Django Framework & Django Rest Framework
- PHP, Laravel 5 & VueJs
- PostgreSQL, MySQL, POSTGis, Elastic Search & Memcached
- Google Maps API & GTPay API

- Git, Github & BitBucket
- Docker
- Nginx & Gunicorn
- Digital Ocean

Software Engineer at Zercom Systems, Lagos, Nigeria. (*Software Engineer*)
Jan-Apr 2016
- Built modules on eFront software (e-Learning software built using PHP).
- Assisted in the installations of Tangerine (the name given to our e-Learning software) app in banks.
- Participated in the design and implementation of an on-line recruitment system.

Stack:
- HTML, CSS, Javascript, jQuery, Blade & Jinja
- PHP, E-Front & Laravel 5
- MySQL & MSSQL
- Apache
- Microsoft Server 2012

NIGERIAN EMBASSY, Abidjan CIV Diplomacy (*Software Engineer*)
2011-2012
- Built a system in c# and MSSQL Server which interfaced with an identity card printing machine.
- Rated "truly distinctive" for Analytical Skills and teamwork.

Stack:
- COM Objects
- C#
- MS Access & MSSQL

LANGUAGES
English, Yoruba and French

INTERESTS AND ACTIVITIES
Technology, Programming and Paradoxes in Decision Making.

LINKS
Profile:

- https://www.hackerrank.com/LeCodeManiac
- https://github.com/babyfaceEasy
- https://bitbucket.org/lecodemaniac/

Projects

Distributed Rate Limiting System

Designed, developed and deployed a distributing rate limiting system. I made use of the token bucket algorithm for the app. In order to sync the amount of token left for a given user amongst the different instances of the app, I made use of etcd (distributed key-value store).

Nebula

This is a web application that made it possible for our clients to pick a product and register how the product would be sold. So they pick a product and then select the form details, like the form element type, validations and more. Then these details are used to generate the forms to be used by our merchant for selling the products at the different checkout points.

Laravel Package for Stack driver (Side-Car Pattern)

I designed a package that made it possible for laravel's Log facade to post the content of the log to a given stack driver bucket. I made use of guzzle async request feature to make the http calls. This reduced the memory used and made the package efficient.

Design and Development of HA MySQL Cluster

I designed a highly available MySQL system on AWS. The design has 2 MySQL servers on 2 VPCs in different locations and makes use of the round-robin load balancing technique. Used on Virtual IP to receive requests. I also set up data replication to save data and made it possible to switch to use any node as the master node. Made use of HAProxy and Heartbeat to provide failover capacity.

Distributed Message Queue

Design and development of a distributed message queue, built using Go and makes use of gRPC for communication. The system made use of the HA MySQL Cluster above for data storage before being advanced to make use of PostgreSQL deployed using Stateful Sets on Kubernetes (Crunchy Operator).