

# CHUKWUEMEKA OKOBI

## Software Engineer

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### SUMMARY

Result-driven software engineer with 4 years' experience building applications and implementing strategies that deliver quality and effective solutions. Knowledgeable in object-oriented programming, Cloud Computing, DevOps, and Database Systems.

### KEY EXPERIENCE

#### Software Engineer | Check Ups Medical, Kenya.

May 2021 – Aug 2021

- Worked with a team of 3 to redesign and transition an information service web portal for managing patients' medical records, purchase history, and medical lab reports.
- Developed Web API and MVC client using Asp.net core, Entity framework, MSSQL.

#### Software Developer | Arkounting Business Concepts, Nigeria

Dec 2019 – Aug 2020

- Worked with a team of 5 to develop a loan and investment management platform for SMEs. Successfully transitioned the application from single client deployment to a multi-tenant solution.
- Led a team of 3 to design and develop a central subscription management application for managing transactions and client records for the company's software solutions.

#### Software Developer | Tripple O Solutions, Nigeria

Aug 2018 – Nov 2019

- Successfully migrated the football prediction application from the oAsp.net to the Asp.net Core technology.
- Implemented an effective solution for handling background task, reducing operation cost by 40%.
- Worked on the implementation of a rule-based prediction feature for the selection and prediction of football match outcomes.

#### Programming Instructor | Code360 .Net Academy, Nigeria

Aug 2018 – Nov 2019

- Taught programming courses on C#, Asp.net core and Azure to 25 students of which 12 have been able to secure jobs in the finance and health sectors.

### PROJECTS

#### Data Collation Tool - Website

Worked with a team of 3 to develop the Web portal for Collection, Visualization, and analysis of data on Gender-Based violence using Asp.net core, MSSQL, Azure. I worked on API development and Database Design.

#### Tour Web Application - GitHub

Developed web-based application of advertising and managing tours built on Nodejs, express, pug template and MongoDB using Mongoose ORM.

#### Recommendation Web Service on Twitter's Data Set

Developed a user recommendation service based on tweets and hashtags using ETL Iterative batch Processing on Apache Spark Scala API on Azure Databricks, AWS EKS, AWS RDS for MySQL, Asp.net core.

#### Deployed Elastic Services on AWS

Provisioned AWS elastic resources via AWS API, Elastic Load Balancer, Cloud Watch Metrics and Auto Scaling Services to respond to dynamic load.

#### Web Services on Docker and Microservices using Kubernetes.

Developed distributed containerized RESTful microservice applications on Azure and GCP cloud platforms using docker in Kubernetes Clusters.

#### Social Media App using Heterogenous Storage on Cloud

Develop different functionalities of a social media application using different databases including NoSQL HBase, MySQL for user profile and authentication, Neo4j Graph database for followers' graphs and MongoDB for comments and replies.

### EDUCATION

#### CARNEGIE MELLON UNIVERSITY

Kigali, Rwanda | Jul 2020 – Dec 2021.

Master's in Information Technology  
Specialization: Software Engineering.  
CGPA (3.54/4.0)

#### UNIVERSITY OF IBADAN

Ibadan, Nigeria | Nov 2011 – Dec 2016

Bachelor of Science in Electrical and Electronic Engineering  
CGPA (5.4/7.0)

### SKILLS

#### Programming Languages

C#, JavaScript, TypeScript, Java, Scala, Python, SQL.

#### Libraries and Frameworks

.Net, Asp.Net Core, Entity Framework, NodeJS, Express, Mongoose, Apache Spark, Azure Databricks, React.

#### Databases

MSSQL Server, MySQL, PostgreSQL, MongoDB.

#### Tools and Platforms

Cloud services (AWS, Azure, GCP), Git, Docker, Kubernetes, Terraform, Linux, Azure DevOps, GitHub Actions.

### AWARDS & CERTIFICATION

CIT-Dean Scholarship, Carnegie Mellon University (2020).

Microsoft Certified: Azure Fundamentals (December 2019)

### LEADERSHIP EXPERIENCE

Design Head, IEEE University of Ibadan Student Branch (2016).

Microsoft Student Partner, University of Ibadan (2014 – 2016).

### INTERESTS

Animations, Pencil Art, Gaming, Travelling.