CHUKWUEMEKA OKOBI

Software Engineer

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SUMMARY

Result-driven software engineer with 3 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 to 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 EXPIERENCE

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

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

INTERESTS

Animations, Pencil Art, Gaming, Travelling.