

Emmanuel Chee-zaram Okeke

Career Objective

As a Software Engineer with a background in Microbiology, my aim is to work and collaborate in an environment that promotes lasting and sustainable goals while paying attention to the tiny details.

Education and Certifications

Feb 2024 **IBM DevOps and Software Engineering Professional Certificate by IBM, Coursera**

- Compose applications using microservices, Kubernetes, and Docker.
- System design and System Architecture.
- Application resiliency and security.
- Test and Behaviour Driven Development in Python.
- Deploy applications using Kubernetes, Docker, OpenShift, and Serverless technologies.
- Employ tools for automation, CI/CD.
- Agile philosophies and Scrum methodologies.
- Monitoring and Observability.

Aug 2022 **Full-stack Software Engineering Certificate, Africa Leadership X, Nairobi, Kenya (remote)**

Sep 2023

- A one-year intensive, fast-paced, project-based, agile-oriented peer-learning curriculum.
- Specialization in Back-end (Node.js, Typescript, Python, C, Shell, Nginx, HAProxy, MySQL)

2017 - 2021 **Bachelor of Science Microbiology, Joseph Sarwuan Tarka University, Makurdi, Benue, Nigeria**

- Amongst the Top Graduating Students, Department of Microbiology and College of Science
- Overall CGPA 4.44/5

Experience

Feb 2024 **Python Software Engineer, VOCUP, Lagos, Nigeria (remote), Contract**

Mar 2024

- Wrote, tested, and maintained Python code for the backend API of a dictionary app using Django and PostgreSQL
- Configured EC2 instances and deployed web applications to AWS

Jun 2023 **Back-end Engineer, WIG!T, Asanti region, Ghana (remote), Contract**

Jul 2023

- Managed the project and monorepo throughout the software development life cycle
- Headed backend application development in Go, using MySQL and Redis for a fast and responsive API
- Integrated bank payments and financial service providers for easier and secure payment processing
- Set up workflow and CI/CD pipelines with automation scripts and GitHub Actions
- Configured EC2 instances and deployed web applications to AWS

Technical Strengths

Languages Go, Python, C, Shell, Lua, SQL

Go & Python Developing APIs using agile methodologies. Unittesting and Benchmarking

CI/CD GitHub Actions, Tekton, ArgoCD, Openshift Pipelines

Cloud AWS, IBM Cloud

DBMS MySQL, PostgreSQL, Redis, MongoDB

Linux Arch, Ubuntu, Nix

Containers Docker, Kubernetes, and Vagrant for virtualization

Frameworks GIN, Flask, Django

SCM Git, GitHub, GitLab, in branching, rebasing, PRs, and conflicts

Observability Prometheus

Tools Neovim

Projects

- WIG!T** A wigs products and services web app - Go, React, MySQL, Redis, Docker
- Katapolis** A logging library for Go applications with database integration - Go
- tRash** A simple shell based off sh - C, Shell
- wlog** An easy-to-install CLI logger for saving and sharing notes with self and team mates during development - Python, Bash
- AirBnB clone** A clone of the vacation rental platform - Python, HTML5, MySQL
- playground** Learn tips/tricks on algorithms with usable code examples - Go, Python, C
- monty** A basic interpreter for Monty byte-codes C

Open-source Contributions

- nvim-silicon** **Plugin to create code images using the external silicon tool**
 - Wrote some code in Lua to enhance the format of notifications passed to the vim API - 2024
- minikube** **A tool to run Kubernetes locally**
 - Helped improve minikube tutorial for beginners - 2023
- APIToolKit** **A client for interacting with **APIToolKit** from Go apps**
- GO Client**
 - Made several code improvements by rewriting some deprecated functions - 2023
 - Improved the robustness of the CI workflow - 2023
- garble** **Obfuscate Go builds**
 - Made improvements to shell scripts used for test automation - 2023

Skills

- Logic** Deep understanding of data structures and algorithms, with their implementations
- Social** English native. Excellent communication and interpersonal skills
- Work** Ability to debug, troubleshoot, and resolve complex technical issues. Analytical and problem-solving skills, and a love for emerging technologies to thrive in a flexible, collaborative, and fast-paced environment