Emmanuel Chee-zaram Okeke

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Summary

As a Software Engineer with a background in Microbiology, my aim is to work collaboratively, learn, grow, and be committed in an environment that promotes innovation and lasting, 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 Sep 2023   **Full-stack Software Engineering Certificate**, *Africa Leadership X*, Nairobi, Kenya (remote)
- A one-year intensive, fast-paced, project-based, agile-oriented peer-learning curriculum.
- Specialization in backend (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 Mar 2024   **Python Software Engineer**, *VOCUP*, Lagos, Nigeria (remote), Contract
- 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 Jul 2023   **Backend Engineer**, *WIG!T*, Asanti region, Ghana (remote), Contract
- 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
Kataposis	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 GO Client — **A client for interacting with APIToolKit from Go apps**
○ 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