# Emmanuel Chee-zaram Okeke

*Lagos, Nigeria*
*+2347038639012*
*cheezaram.okeke@gmail.com*
*cheezaram.tech*
*github.com/chee-zaram*

## Programming languages

| | |
|---|---|
| Experienced | *Go*, *Python*, *C*, *Shell*, *SQL* |
| Familiar | *JavaScript*, *Typescript*, *Lua* |

## Tools

| | |
|---|---|
| Go & Python | Developing APIs using agile methodologies. Unittesting and Benchmarking |
| CI/CD | Experienced with setting up and using *GitHub Actions*, *Tekton*, *ArgoCD* |
| Cloud | Familiar with the backend offerings for *AWS*, *IBM Cloud*, *OpenShift* |
| DBMS | Experienced with *MySQL*, *PostgreSQL*, *Redis*. Familiar with *MongoDB* |
| Linux | Using *GNU/Linux* for over 2 years as primary OS, with *Neo*vim as primary editor |
| Containers | Familiar with *Docker*, *Kubernetes*, and *Vagrant* for virtualization |
| Frameworks | Solid understanding of server-side frameworks and technologies, such as *GIN*, *Flask*, *Django* |
| Version control | Experienced with *Git*, *GitHub*, *GitLab*, in branching, rebasing, PRs, and conflicts |
| Observability | *Prometheus* |

## Experience

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

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

## 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** | **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* |

## 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 phylosophies 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 Back-end (Node.js, Typescript, Python, C, Shell, Nginx, HAProxy, MySQL) |
| 2017 - 2021 | **B.S. Microbiology**, *Joseph Sarwuan Tarka University, Makurdi*, Benue, Nigeria |
| | ○ Amongst the Top Graduating Students, Department of Microbiology and College of Science |

## Skills

| | |
|---|---|
| Languages | Native in English |
| Logic | Deep understanding of data structures and algorithms, with their implementations |
| Social | 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 |