

# TEDDY MWAI

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• [Teddy Mwai GitHub](#) · [Teddy Mwai LinkedIn](#) · [Teddy Mwai Portfolio](#)

## EDUCATION

### UNIVERSITY OF NAIROBI

*Bachelor of Science, Computer Science*

Organizations/Awards: Google Developer Students Club

**Nairobi, Kenya**

*Sept. 2020 – September 2024*

## WORK EXPERIENCE

### DigiTax

*Software Engineer (consultancy)*

**Oct 2023 - Current**

Nairobi, Kenya

- Developed an in-house notification service, optimizing communication channels by utilizing Resend for emails, Africa's talking for mobile phone texts and BullMQ.
- Participated in streamlining our deployment pipeline by containerizing backend APIs into Docker images, deployed on CloudRun.
- Leveraged CloudRun to achieve autoscaling, ensuring high availability and scalability for our systems.

### USAID-Health IT

*Software Engineer (contract)*

**August 2023**

Nairobi, Kenya

- I played a pivotal role in engineering essential health systems, notably conceptualizing and constructing the Child Protection Information Management System (CPIMS).
- The team and I implemented an offline-first approach, ensuring usability even in low-connectivity areas, with data synchronization upon internet reconnection.

### DigiTax

*Software Engineer Intern*

**Jun 2023 – Sep 2021**

Nairobi, Kenya

- I played a key role in optimizing API response times by implementing jobs, queues, and Redis Cache to specific endpoints, resulting in improved latency speeds.
- Built internal dashboards for the business team using Retool. This improved the efficiency of the team to handle their tasks
- Implemented Sentry and Baseline error tracking and logging SaaS products which provided better visibility to our logs.

## CERTIFICATIONS & BADGES

[AWS Learning Serverless](#)

**Achieved Feb 2023**

## SKILLS

### Technical Skills

- TypeScript, NodeJS, GoLang, Python, C++, React, React Native, Flutter, Kotlin, Docker, Kubernetes.
- AWS, GCP, Azure, Android, GraphQL, Rabbit MQ, Jetpack Compose, Next.js, MySQL, PostgreSQL.

## TECHNICAL PROJECTS

### [Serverless QR Code Generator](#)

- Built a serverless service that given a URL it generates a QR code and stores it in Blob Storage. Built using: Azure Function, Azure Blob Storage and Docker

### [Langchain YouTube Assistant](#)

- Built a YouTube assistant that is designed to help viewers get more info on the video by asking questions to the assistant. Built using: Python, Docker, Streamlit, Langchain and OpenAI

### [Log Microservice](#)

- Built a log microservice that ingests logs from other microservice via restful endpoints as well as RabbitMQ broker. Built with: GoLang, Docker, Postgres, Resend, RabbitMQ

### [React Animated Slider](#)

- Built a landing page that displays an animated slider. Built with React, Next JS, Framer Motion and Tailwind CSS