



# LIMO EMILIO CLIFF

## Software Engineer

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emilioclipf@gmail.com

[LinkedIn Profile](#)

[GitHub](#)

## EDUCATION

2020 - Date

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

Bachelors of Science in Telecommunication and Information Engineering

Jan 2024 - March 2024

**UDEMY**

Backend Master Class [Golang + Postgres + Kubernetes + gRPC]

Oct 2023 - Jan 2024

**UDEMY**

100 Days of Code: The Complete Python Pro Bootcamp for 2023

2015 - 2019

**ST ANTHONY'S BOYS HIGH SCHOOL KITALE**

Kenya Certificate of Secondary  
Mean Grade: A-

## SKILLS

- Go (Golang)
- Micro-services
- Python
- Relational Databases (SQLAlchemy, PostgreSQL)
- Version Control Systems (Git)
- Docker Containerization
- Full Stack Development

## EXPERIENCE

Currently

### Freelancing Software Developer

Specializing in crafting software solutions, I focus on building microservices in Golang. Known for its speed, simplicity, and strong concurrency features, Golang powers the core of my work, ensuring scalability and efficiency in distributed systems. For front-end development, I use React to build dynamic and user-friendly interfaces. While Golang is my primary tool, I also utilize Python for scripting and automation tasks, making it easier to prototype and solve diverse challenges. Together, these technologies enable me to deliver reliable, tailored solutions that help clients thrive.

May 2024 - August 2024

Laini Technologies Limited, Nairobi

### Junior Developer

At Laini Technologies, a leading provider of payroll and human resource software solutions, I contributed as a junior developer, focusing on web development and software migration. During my attachment period, I developed and deployed client websites and the company's future website prototype. One of my key achievements was developing a prototype for PayPlus, transitioning it from a Windows-based payroll solution to an online version, enhancing accessibility and scalability. This experience honed my skills in full-stack development, software deployment, and cloud-based solutions, laying the foundation for my expertise in delivering effective digital solutions for businesses.

May 2023 - August 2023

Communication Authority of Kenya, Waiyaki way

### Licensing Department

During my internship at the Communication Authority of Kenya, I was entrusted with various responsibilities crucial to the operations of the department. These included receiving and evaluating applications for Telecoms services, ensuring compliance with market structures and established procedures. I also played a key role in issuing licenses to successful Telecoms License applicants and preparing application documentation for presentation to the Communications Licensing Committee. Additionally, I handled license renewals while adhering to established protocols. Throughout my tenure, I demonstrated qualities in service delivery, honed my skills in letter drafting, showcased strong teamwork abilities, and effectively managed my time to meet deadlines.

May 2022 - August 2022

KPLC Stima plaza, Nairobi

### ICT Department

During my internship at KPLC Stima Plaza, situated in Nairobi, within the ICT department from May 2022 to August 2022, I undertook diverse responsibilities vital to the department's operations. These included maintaining and overseeing the data center infrastructure, troubleshooting and resolving software, hardware, and network issues, as well as splicing and installing cables. Additionally, I managed network cabling tasks and incident management, ensuring prompt resolution of issues. I also handled customer concerns, escalating significant matters to the supervisor when necessary. Throughout this experience, I excelled in infrastructure monitoring, exhibited exceptional service delivery, and provided basic ICT desk support, underscoring my commitment to excellence in every task.



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## PROJECTS

### Payment Polling Service

The Payment Polling Service repository is a backend project built with a microservices architecture, using Go for the services, gRPC for communication, and RabbitMQ as the message broker. The system includes key services: Authentication, Gateway, and Payments, each serving specific purposes like user registration, authentication, and handling transactions. It integrates with the Payd API and utilizes Docker for containerization, while Testcontainers supports integration testing. This project was developed as part of a backend assessment

[PaymentApp](#)

### Inventory Management System

Utilizing Python, Flask, SQLAlchemy, Bootstrap, HTML, CSS, and JavaScript, I developed a dynamic club management solution. This transformative project streamlines operations, replacing manual record-keeping with an intuitive, visually appealing digital platform.

<https://youtu.be/ez4a6alwvbY>

### Pharmaceutical Distribution Management System

A distribution management system powered by Golang (backend), Python (frontend), PostgreSQL (database), and Docker (deployment on Railways). Leveraged Redis for background processing, JWT for authentication, and integrated Safaricom Daraja API for seamless payments. This solution optimizes inventory tracking, transaction management, and payment processing for pharmaceutical distributors and sales personnel with well documented reports.

<https://youtu.be/Y5XI81zUBy8>

### Andy Safaris Kenya

The site features a user-friendly interface built to showcase tour packages, facilitate bookings, and provide detailed information about safari experiences. Using React for the front end and integrating responsive design elements, the website ensures seamless navigation across devices, enhancing user engagement and business visibility.

[andysafaris.com](http://andysafaris.com)

## PROTOTYPES

[GithubFinder](#)

[LainiTechnologies](#)

[Ensafo](#)

[Collage-cli](#)