



# BONIFACE MWEMA

SOFTWARE ENGINEER

## Details

📍 Nairobi  
Kenya

📞 +254 748 271 218

✉️ bonfacemwema7@gmail.com

## Links

🌐 [Portfolio](#)

🌐 [LinkedIn](#)

🐙 [Github](#)

## Skills

Golang

C#

Python

JavaScript

TypeScript

React

Next.js

Tailwind CSS

Fiber

## Profile

Software Engineer (Golang | Distributed Systems | Full-Stack)

### Professional Summary

Software Engineer with 4+ years of experience building scalable, production-grade systems using Golang, Django, and FastAPI. Strong expertise in designing microservices, real-time systems, and high-performance APIs across gaming, fintech, and enterprise platforms.

Experienced in full-stack development with React and Next.js, delivering modern, responsive user interfaces integrated with robust backend systems. Proven track record of building and deploying real-world solutions for healthcare, e-commerce, and SaaS platforms.

Focused on system design, performance optimization, and building reliable, scalable software used in real business environments.

## Technical Skills

**Languages:** Golang, JavaScript, TypeScript, Python

**Frontend:** React, Next.js, HTML, CSS, Tailwind CSS

**Backend:** Fiber, Django, FastAPI, GraphQL (GQLGen), REST APIs

**Databases:** PostgreSQL, MongoDB, MySQL, Redis

**Messaging:** RabbitMQ

**DevOps & Tools:** Docker, Nginx, Linux, CI/CD, Git

**Cloud:** AWS (RDS), DigitalOcean, Firebase

**Other:** WebSockets, Microservices Architecture, API Design, Authentication Systems

## Professional Experience

**Backend Engineer — Ibibe Games** 2024 — Present

Nairobi, Kenya

- Designed and implemented high-performance game servers using Golang, handling real-time gameplay

Django  
FastAPI  
GraphQL (GQLGen)  
REST APIs  
PostgreSQL  
MongoDB  
MySQL  
Redis  
RabbitMQ  
Docker  
Nginx  
Linux  
CI/CD  
Git  
AWS  
DigitalOcean  
Firebase  
WebSockets  
Microservices  
API Design  
Authentication Systems  
Teamwork  
Collaboration

## Languages

---

English  
Kiswahili

logic and RNG systems for 7+ games.

- Built scalable microservices architecture using Go, PostgreSQL, Redis, and RabbitMQ.
- Implemented WebSocket-based real-time communication systems for low-latency interactions.
- Developed house edge and jackpot systems improving revenue tracking and payout consistency.
- Optimized backend performance and database queries for production workloads.
- Managed deployments using Nginx, Linux servers, and systemd.
- Contributed to frontend development using Next.js for internal platforms.

### Contract / Freelance Software Engineer — Techbite Ventures

2024 — Present

- Delivered production web platforms for clients across healthcare, e-commerce, consulting, travel, and enterprise sectors.
- Built scalable frontend applications using Next.js, TypeScript, and Tailwind CSS.
- Developed backend systems using Golang, Django, FastAPI, and Node.js depending on project requirements.
- Implemented features including payment integrations, authentication systems, and API-driven platforms.
- Managed full project lifecycle: system design, development, deployment, and client delivery.
- Translated business requirements into scalable, production-ready digital solutions.

### Full-Stack Engineer — Credit Cycle Solution (Pelini Ltd)

2024 — Present

- Designed and developed a scalable debt collection and credit management platform.
- Architected system supporting three models: Internal Collection (BPO model), SaaS multi-tenant system, and API-based sales ledger integration.
- Built backend services using Golang, PostgreSQL, and REST/GraphQL APIs.
- Implemented secure multi-tenant architecture ensuring data isolation.
- Developed frontend dashboards using Next.js.
- Designed API-first system for third-party integrations.

**Backend Developer — StatSpeak Limited** 2023 — 2024

- Built scalable backend systems using Golang and REST APIs.
- Developed e-commerce backend improving system performance and scalability.
- Built Readmasters book-sharing platform.
- Developed HPV health management system for patient tracking.
- Optimized database queries and improved response times.

**Contract Backend Developer — Nuvemite Technologies (Unga Ltd)** 2024

- Automated order processing workflows using Microsoft Power Automate.
- Reduced manual workload and improved operational efficiency.
- Integrated automation pipelines with SAP systems.
- Developed scripts to streamline business operations and reduce human error.

**Full-Stack Developer — AYTP LMS (Adanian Labs)** 2022 — 2023

- Built frontend interfaces using React and Next.js.
- Developed backend services using Django and GraphQL.
- Improved system performance and scalability through database optimization.

**Back-End Developer — TENN Explorations** 2023 — 2024

- Developed and maintained server-side functionalities using Golang and GraphQL.
- Designed and optimized databases using PostgreSQL for efficient data storage and retrieval.
- Collaborated with front-end developers to ensure seamless full-stack integration.
- Implemented security measures to protect sensitive user data.

**Front-end Developer Intern and Network Tester — Kenya National Library Service (KNLS)** 2022

Nairobi

- Developed and maintained front-end components of web applications using HTML, CSS, and JavaScript.
- Collaborated with design teams to ensure seamless integration of front-end and back-end functionality.
- Conducted network optimization to ensure optimal performance and reliability of web applications.
- Identified and resolved front-end and network connectivity issues.

## Education

---

### **Bachelor of Science in Software Engineering, Multimedia University of Kenya**

2020 — 2024 | Nairobi

### **Certificate in Mobile and Web Software Development, Modcom Institute of Technology**

2020 | Nairobi

### **Secondary Education Certificate, Kapsabet Boys High School**

2016 — 2019 | Kapsabet

## References

---

#### **Stephen Ajulu**

ICT Officer KNLS  
stephen.ajulu@knls.ac.ke  
+254740128010

#### **Jotham Kabasa**

C.E.O at Abacus  
jothamkinyua1@gmail.com  
+254-797-678252

#### **Akelvin@statsspeak.co.ke**

Statsspeak Limited  
kadungosi@statsspeak.co.ke  
254704321150

#### **Favour Ruhii**

Adanian Labs  
favorryo@gmail.com



+254-715-061189

**Colman Kangethe**

CEO, Nuvemite Technologies

+254712984364

**Emmanuel Kimathi**

ICT Officer, Unga Limited

+254739441915

**Joe Kiruja**

CEO, Ibibe Games

+254721804390