

# BELLIAN OTIENO

## SENIOR SOFTWARE ENGINEER

[bellian.work.otieno24@gmail.com](mailto:bellian.work.otieno24@gmail.com) | +254746266773

<https://bellian.vercel.app> |

<https://www.linkedin.com/in/bellian-otieno-b11041192>

### SUMMARY

I am a Software Engineer with over five years of experience in designing and developing robust and efficient software solutions. My expertise spans multiple programming languages, including Golang, C#, JavaScript, Python, Dart, and Java. I have successfully designed and implemented full-stack applications, emphasising clean code practices and comprehensive testing to ensure application reliability. I apply the most appropriate technologies for each task, adhering to software development life cycle (SDLC) best practices, and employing test-driven development (TDD). I am passionate about learning new technologies and mentoring others.

### TECHNICAL SKILLS

**Languages:** Java, C#, JavaScript, TypeScript, SQL, Dart, Python

**Databases:** MongoDB, PostgreSQL, MySQL, SQL-Server, Firebase, Supabase

**Source Control:** Git, GitHub, GitLab, BitBucket

**Cloud:** AWS, GCP, DigitalOcean, Linode

**Web Development:** React, Vuejs, Remix, Nextjs, Tailwind, Bootstrap, React Testing Library, Jest, Vite

**Backend Development:** Spring Boot, ASP.NET Core, Nodejs, Message Queues, grpc, NATS, Elasticsearch, Redis, Websockets, GraphQL, RestAPI, HTTP protocol, NGINX  
**DevOps:** Docker, Terraform, Kubernetes(K8S), GKE, CircleCI, GitHub Actions

**Mobile Development:** Jetpack Compose, Room, Retrofit, Flutter Architectures: Domain Driven Design, Event Driven Design, Microservices, MVVM, MVC

### SOFT SKILLS

Effective communication, Self Awareness, Open-Mindedness, Critical Thinking, Time Management, Collaboration, Accountability, Adaptability, Empathy.

### PROFESSIONAL EXPERIENCE

#### SENIOR SOFTWARE ENGINEER

SWITCHLINK AFRICA LIMITED | HYBRID | JUNE 2024 - PRESENT  
FINTEC COMPANY

- Implemented DevOps Practices

Established CI/CD pipelines and infrastructure as code using Terraform and Kubernetes reducing deployment time by 50%, improving application stability, and

having our infrastructure documented.Optimized infrastructure costs through optimizing application images an automating Docker container deployments with Azure Pipelines

- Cross-Functional Collaboration

Fostered collaboration between development, QA, and operations teams, resulting in a more efficient and effective development process.

- Test Automation

Developed and implemented automated test suites, increasing test coverage by 37% and reducing manual testing efforts.

Implemented code coverage and clean code strategies to ensure minimal error in code an avoiding code duplication

## **SOFTWARE ENGINEER**

GRIFFIN GLOBAL TECHNOLOGIES | ONSITE | APRIL 2023 - MAY 2024  
TECHNOLOGY OUTSOURCING COMPANY

- Cloud Optimization

Optimized cloud infrastructure by migrating from Cloud Run to Kubernetes Engine, slashing server costs by over 50% and improving overall system performance.

- Scalable Application Architecture

Led the design and development of a high-performance initiative of creating a Command Query Responsibility Segregation (multi-module) leading to high performance applications

- API Integrations

Designed and implemented a GraphQL federated API gateway to unify microservices and enhance client experiences.

## **MPESA API SOFTWARE DEVELOPER**

CORETEC SOFTWARES AND SYSTEMS LIMITED| REMOTE | OCTOBER 2022 -DEC 2022  
FINTEC COMPANY

- Engaged in developing Mpesa STK push for the legacy microsoft dynamics navision system for managing sacco's finances resulting in customer satisfaction while using the USSD service

- Identified and resolved a critical software bug that was causing system crashes, resulting in a 95% decrease in application failures and improved overall system stability.

## **WEB/MOBILE DEVELOPER**

TARAJI SACCO SOCIETY | AUGUST 2020 - MARCH 2021  
FINTEC COMPANY

- Led in the transformation of the sacco website to a web application where all services can be accessed by the customers utilizing intuitive design principles and microservice architectures in separating application domains from business concerns ensuring a robust application

## PERSONAL PROJECTS

### Corporate-Lending:

A Corporate Lending Investing Application

<https://github.com/mbunix/CMSLender.git>

### Import Export Management system:

Direct Import Export Management System helping businesses manage sourcing

<https://github.com/mbunix/TinShip.git>

### Autoflix App:

Application for on- demand motor servicing and parts sourcing

<https://github.com/mbunix/AutoFlix.git>

## CERTIFICATIONS

- [AWS Cloud Practitioner](#)
- [Microsoft azure fundamentals](#)
- [Uiopath Automation Developer Associate](#)

## EDUCATION

### **Kirinyaga University, Kenya** — *Bachelor of Science in Software Engineering*

August 2019 - November 2023

Second class honors upper division

### **EC-council University, South Africa**— *Online Diploma in Cyber Security*

June 2021 - September 2021

Proficient in Software Security Techniques, Hardening, Enumeration of threats and threat analysis, prevention and mitigation