

Collins Kiplagat Kiprono
Software Engineer
+254705247047 | cokikipla@gmail.com
[GitHub](#) | [Portfolio](#)

Professional Summary

Versatile and forward-thinking Software Engineer with 6+ years of experience in full-stack development, cloud-native solutions, and scalable microservices architecture. Proven expertise in backend systems, frontend frameworks, and DevOps tooling. Strong track record of delivering performant, reliable applications using modern technologies such as Golang, Java, Azure, and React. Adept at cross-functional collaboration, mentoring, and driving business impact through innovation.

Technical Expertise

Languages: Golang, Java, Typescript

Architecture: Restful API Design, Micro-services, Event-Driven Architecture

Backend : Golang (Gin, Echo), Java (Spring Boot)

Devops: Azure Functions, Docker, Azure DevOps

Monitoring: Prometheus, Loki, Grafana, Promtail

Frontend: React, Next.js, Angular, Shaden UI, Zustand, Tailwind CSS

Databases & ORM: Oracle DB, MySQL, PostgreSQL, Golang Migrate, GORM, Bun, JPA

Professional Experience

Software Developer | Britam Group

April 2023 – Present

- Developed and maintained a backend agent application using Golang, Azure Functions, and Oracle DB, handling critical business logic for insurance operations.
- Designed and launched a responsive full-stack web portal using Next.js, Shaden UI, and Zustand, improving agent experience and productivity.
- Containerized applications and implemented CI/CD pipelines using Docker and Azure DevOps, reducing deployment times by 70%.
- Mentored junior developers, conducted code reviews, and drove adoption of best practices.
- Collaborated with mobile and product teams to support client-facing features and integrations.
- Built and optimized Restful APIs for policy processing and reporting.
- Delivered scalable backend enhancements that improved system performance and maintainability.

Key Achievements

- Successfully deployed a portal accessed by over 3,000 field agents.
- Improved application performance by 40% through query and service optimizations.
- Reduced production issues by implementing observability using Prometheus, Loki, and Grafana.
- Increased auto-approval of policies by 60% through KYC and AML validation.

Software Developer | Tanda

September 2021 – March 2023

- Built intuitive user interfaces and dashboards for financial services platforms.
- Developed front-end modules and interactive features using Angular and TypeScript.
- Integrated and tested internal/external APIs in a microservices environment.
- Supported agents and resellers across platform integrations.

Key Achievements

- Launched portals for agent on-boarding, reviews, and product management.
- Created a monitoring console for transaction history and issue tracking.
- Improved integration velocity with streamlined API services.

Software Developer | Kenya Revenue Authority (KRA)

October 2020 – September 2021

- Developed Java RESTful services for internal enterprise applications.
- Designed dashboards for reporting and operational visibility.
- Translated user stories into system architecture and UI features.

Key Achievements

- Built the AMS Work-Ticket Reporting Tool used across departments.
- Developed dashboards supporting leave and CSS reporting.

Software Developer Intern | SpotTheBall / Mantiki

September 2020 – November 2020

- Developed backend modules in Django/Python and frontend UIs in HTML/CSS/JavaScript.
- Prototyped and tested dashboards and landing pages.
- Researched and integrated third-party APIs.

Key Achievements

Developed Ishano dashboard and backend system.

Built SMS landing page for Mantiki.

IT Support Intern | ICT Authority

June 2019 – September 2019

- Supported PC installations, network troubleshooting, and VoIP deployments.
- Delivered IT support to county offices and educational institutions.

Key Achievements

Configured and deployed VoIP systems across government departments.

Recognized for transcription work with the Kenya Film Commission.

Education

Bachelor of Science in Computer Science - Egerton University

September 2015 – June 2019

Second Class Honors (Upper Division)

Focus: Software Engineering, Systems Design

Licenses & Certifications

- Managing Successful Projects with PRINCE2
- Spring Data MongoDB – Amigoscode (Jun 2021)
- Getting Started with Spring Boot – Amigoscode (Jul 2021)
- Terminal, Bash & VIM Essentials – Amigoscode (Jun 2021)
- Crash Course on Python – Google / Coursera (Jun 2021)
- HCIA – Cloud Computing – Huawei (Apr 2021)
- Software Architecture: Patterns for Developers – LinkedIn (May 2023)
- Docker for Developers – LinkedIn (May 2023)
- Consuming RESTful APIs in Golang – LinkedIn (Apr 2026)
- Java Memory Management: GC & JVM Tuning – LinkedIn (Jun 2023)

References

Available upon request