

# COLLINS HILLARY MUNENE

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## Executive Summary

As an experienced Software Engineer with a demonstrated history of working in the Technology industry, I bring a result-driven mindset with a deep understanding of the complexities of software engineering, computer security, artificial intelligence methods, and immersive tech development.

With a focus on continuous improvement and a customer-centric mindset, I am dedicated to achieving business success through the delivery of high-quality, innovative products that exceed customer expectations. I am committed to adding value to the End-Product through subjective assessment and comprehensive analysis.

With a relentless pursuit of excellence, I bring extensive experience in designing, developing, and implementing solutions that drive tangible outcomes. By staying abreast of emerging trends and technologies, I consistently introduce innovative approaches to problem-solving, pushing the boundaries of what is possible.

## Educational Background

### BACHELOR IN INFORMATION SYSTEMS TECHNOLOGY

United States International University – *Concentration in Computer Security and Cybercrime.*

03/2016 - 11/2019

## Professional Experience

### Lead Back-End Software Engineer

GrainConnect Limited – *AgriBusiness company*

03/2022 - Present

My duties, responsibilities, and achievements are as follows:

1. Successfully designed and developed large scale distributed software services and solutions, contributing to the growth and stability of the GROR platform
2. Played a pivotal role in driving modern software engineering practices by actively participating in design reviews and advocating for best practices across the team.

3. Leveraged data and telemetry to make informed decisions and improve overall system performance.
4. Developed and implemented microservice based engineering practices, ensuring that services and components were modularized, secure, reliable, diagnosable, actively monitored, and reusable.
5. Successfully troubleshooted and optimized automation, reliability, and monitoring, ensuring seamless operation and minimizing downtime for critical services.
6. Provided strategic direction and leadership for the organization's technical initiatives.
7. Developed and executed the organization's technology strategy, including identifying emerging technologies and assessing their potential impact on the business thus staying on top of emerging trends.
8. Successfully implemented software as per the documented user stories and highlighted user requirements.
9. Performed Software testing (Unit and Security), Code reviews and refactoring.
10. Ensured consistent team mentoring and guidance.

### **Software Engineer**

Coseke (K) Limited – *Software development company*

07/2021- 03/2022

My duties, responsibilities, and achievements are as follows:

1. Designed and implemented new features in accordance with the product roadmap
2. Acted as a point of reference on tender and quotation responses.
3. Participation in proof of concept.
4. Continually improved the codebase by writing clean, efficient, and maintainable code, and choosing the most appropriate technology to solve problems
5. Led code reviews and refactoring.
6. Performed team mentoring and guidance.

### **Software Engineer**

Brisk Limited Solution – *Software development company*

09/2020 – 07/2021

My duties, responsibilities, and achievements were as follows:

1. Successfully led 2 projects to completion.
2. Performed software implementation as per the documented user stories and highlighted user requirements.
3. Designed the user interface(Front-end) of the application.
4. Repeatedly performed Unit/Component testing and integration testing of the modules.
5. Responsible for code merge of the team developers using Gitlab.
6. Team Mentoring and guidance.
7. Code reviews and refactoring.

8. Develop and maintain the testing infrastructure to increase code coverage for backend modules
9. Created prototypes and demos for client presentations.
10. Responsible for creating the project structure of each project that I led.

## Technical Associate

Kenya Literature Bureau(KLB) – *Nairobi Book Printing company*

09/2019 - 12/2019

In my capacity I performed the following duties and responsibilities:

1. Organizations Network Setup which allowed each department to have access to a quality network.
2. WAN and LAN configuration.
3. Daily computer maintenance.
4. Technical customer support for different departments.

## Skills and capabilities

### Front-end:

JavaScript, Html, CSS, Bootstrap

### Back-end:

Python, Node.js, PHP

### Frameworks:

Django, GraphQL, Express.js, FastAPI,

Flutter, A-Frame, XCrud, Google AppScript, Fastify

### Database & Servers:

MySQL, PostgreSQL, MongoDB, Apache, Nginx

### Others:

Git, Linux, Apache Jmeter, Cyber Security Tools,

Forensic Tools, Docker, Jenkins, Kubernetes,

ArgoCD, Terraform, Ansible, AWS EKS, GitOps processes and tools,

DevOps processes and tools