

# Timothy Muthama

## Software Engineer | Flutter & Python Specialist

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### Professional Summary

Highly skilled and proactive Software Engineer with a strong foundation in Applied Computer Science. Specializing in **Flutter** for cross-platform mobile development and **Python** for security tools, automation, and NLP. Proven track record managing 40+ repositories including ERP systems, AI chatbots, and cybersecurity analyzers.

### Work Experience

**Technical Intern** Jan 2025 - Present

#### Industry Practice

- Spearheaded CRM Integration & Optimization projects, enhancing data flow and operational efficiency by 30%.
- Managing full-stack project lifecycles, ensuring timely delivery and high-quality code standards.
- Collaborating with cross-functional teams to automate internal workflows using Python and Node.js.

**Freelance Software Developer** 2023 - Present

#### Self-Employed

- Developed and deployed scalable mobile applications using Flutter and Firebase, focusing on high performance and user retention.
- Built and maintained 40+ open-source projects on GitHub across various tech stacks (TS, Python, C#).
- Architected specialized security tools, including the Encrypted Traffic Pattern Analyzer (ETPA) for network inspection.

### Technical Skills

Flutter

Dart

Python

TypeScript

C# / C++

Firebase

SQL / NoSQL

Node.js

Cybersecurity

Git / Docker

### Key Projects

#### ERP System

Dart / Flutter / Firebase

#### ETPA Analyzer

Python / Security

#### Nexus Engine

Python / Automation

#### Academic Hub

TypeScript / React

#### AI Chatbot

Python / NLP

#### OSINT watchdog

TypeScript / Security

### Soft Skills

- Agile Methodology
- Technical Writing
- Problem Solving
- Project Management

## Education

**BSc in Applied Computer Science**

2022 - 2026 (Exp.)

**Chuka University**

**Cybersecurity Certification**

3 Months

**IBM Professional certification**