

SAMMY GICHEHA MBUGUA

Software Developer | Business Intelligence Enthusiast | Network Specialist

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 Nairobi, Kenya

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PROFILE

A computer science professional with a strong foundation in software development, networking, and business intelligence. Experienced in working with modern frameworks and tools like Laravel, Livewire, Power BI, and Python, delivering reliable solutions in fast-paced, team-oriented environments. Excellent at troubleshooting, collaborating in teams, and translating complex problems into smart software solutions.

EDUCATION

Bachelor of Science in Computer Science – University of Embu
Aug 2019 – Aug 2023.

Kenya Certificate of Secondary Education – St. Francis Secondary School
Feb 2014 – Nov 2018.

Kenya Certificate of Primary Education – St. Peter and Paul Primary School
Jan 2005 – Nov 2013.

PROFESSIONAL EXPERIENCE

Software Developer Intern – Quest Developers Company

Jul 2024 – Mar 2025

- Developed PHP projects using Laravel and Livewire (e.g., hover.com).
- Built interactive dashboards using Power BI.
- Created machine learning models, including Swahili-English spam detection.
- Designed frontend themes using HTML, Tailwind CSS, Alpine.js.
- Collaborated on database migrations with MySQL.

Software Engineer – Nairobi Institute of Software Development

Jun 2023 – May 2024

- Delivered full-stack development projects and taught programming (Python, Laravel, JS).
- Conducted software/hardware troubleshooting and maintenance.
- Led classes in graphics design and AutoCAD.
- Improved system stability and team development capacity.

Project Developer (Online Competition)

Nov 2022 – Apr 2023

- Co-created various IT projects in diverse languages.
- Collaborated with team members in coding and troubleshooting.
- Improved project management and real-world problem-solving skills.

Software Developer Attachment – Milestone College

Apr 2022 – Sep 2022

- Assisted in database planning and development.
- Delivered IT instruction and technical support services.
- Participated in Python-based software development and code reviews.
- Designed and deployed basic websites.

SKILLS

- **Programming Languages:** Python and PHP
- **Frameworks/Tools:** Laravel, Livewire, React, Alpine.js, Tailwind CSS, Power BI
- **Databases:** MySQL
- **Networking:** TCP/IP, DNS, Subnetting, Switching, Routing, Network Security
- **BI & Reporting:** Power BI, Excel
- **Other:** System maintenance, troubleshooting, diagram-based reporting

PROJECTS

PHP Laravel Web Application

- Developed using Laravel, Livewire, Tailwind CSS, Alpine.js, HTML, MySQL
- Improved company-client communication via integrated feedback modules

Ethereum Blockchain Platform

- Created a decentralized platform with smart contract functionality
- Ensured secure data verification using blockchain architecture

Java Game Development

- Designed a playable, interactive game with graphics and smooth controls
- Implemented core game logic and UI feedback systems

LANGUAGES

- English (Fluent)
- Kiswahili (Fluent)

REFERENCES

Dr. Millien Kawila

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