

TITUS MBUI NZOMO

P.O BOX 195-80108 KILIFI, KENYA

MOBILE: +254 768 949273

E-MAIL: titusmbui01@gmail.com

PROFESSIONAL SUMMARY

Dedicated and results-driven Software Engineer with a strong foundation in software development, programming languages, and system design. Adept at developing innovative solutions, optimizing system performance, and enhancing user experience. Passionate about coding, problem-solving, and collaborating with teams to deliver high-quality software solutions. Looking to contribute technical expertise and creativity to a dynamic and growth-oriented company.

TECHNICAL SKILLS

- Proficient in programming languages: Python, Java, JavaScript, C++
 - Web development: HTML, CSS, React, Node.js
 - Database management: MySQL, PostgreSQL, MongoDB
 - Version control systems: Git, GitHub
 - Cloud technologies: AWS, Firebase
 - Software development methodologies: Agile, Scrum
 - Problem-solving and debugging
 - Strong analytical and critical-thinking skills
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EDUCATION BACKGROUND

Pwani University

*Bachelor's Degree in Education Science - Mathematics and Physics
(September 2020 – April 2024)*

Shinners Computer College

*Certificate in Computing
(January 2020 - March 2020)*

St. Austin High School - Matuu

*Kenya Certificate of Secondary Education
(February 2016 – November 2019)*

Munyuni Primary School

*Kenya Certificate of Primary Education
(January 2006 – October 2015)*

WORK EXPERIENCE

Software Development Intern

*Kakuyuni Boys Secondary School – Malindi
(May 2024 – October 2024)*

- Developed interactive educational tools to improve student learning.
- Designed and implemented software solutions for managing school data.
- Utilized Python and JavaScript to automate administrative tasks.
- Conducted training sessions on integrating technology into education.

IT Support & Web Developer

*Dr. Aggrey High School – Wundanyi
(May 2023 – August 2023)*

- Designed and maintained the school's website for seamless navigation.
- Provided IT support for staff and students, resolving technical issues.
- Assisted in implementing online learning platforms.

Junior Software Engineer

*Bridge International Academy – Mibuyu Saba – Kilifi
(May 2022 - October 2022)*

- Developed and maintained internal applications for administrative use.
- Optimized school management systems to enhance efficiency.
- Worked on debugging and improving existing software infrastructure.

PROJECTS

- **E-learning Platform:** Developed a web-based learning platform integrating quizzes, assignments, and real-time student-teacher interaction.

- **School Management System:** Created a system for automating student records and fee management.
 - **Personal Portfolio Website:** Designed a professional portfolio website to showcase skills and projects.
 - **Inventory Management App:** Built an application for tracking and managing school supplies.
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CERTIFICATIONS & TRAINING

- Google IT Support Professional Certificate
 - AWS Certified Developer – Associate
 - Full-Stack Web Development Course (Udemy)
 - Data Structures and Algorithms (Coursera)
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INTERESTS

- Building innovative software solutions
 - AI and Machine Learning applications
 - Open-source contributions
 - Teaching coding and mentorship
 - Problem-solving challenges (e.g., LeetCode, CodeWars)
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REFEREES

Mr. Alphonse Kaingu

Principal, Kakuyuni Boys High School – Malindi
+254 722 440 343

Dr. Fanuel Keheze

Lecturer, Pwani University
+254 722 291 913

Dr. Robert Aran

Principal, Dr. Aggrey High School – Wundanyi
+254 703 386432
