

# MALUTI BETHUEL BUSH

## CONTACT

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## EDUCATION

### Bachelor of Science in Software Engineering

Kirinyaga University Kenya  
2023 - Present

### Full-Stack Software Development (MIT)

eMobilis Mobile Technology Institute  
2023

### High School Certificate

Segero Adventist High School  
2019 - 2022

### Primary School Certificate

Pathfinder Academy  
2008 - 2018

## INTERESTS

- Ethical Hacking
- System Architecture
- Competitive Coding
- Video Post-Production
- Fintech Innovation

## LANGUAGES

- English
- Swahili

# SOFTWARE DEVELOPMENT ENGINEER

Motivated software developer with a solid foundation in web and Android development. My academic journey at Kirinyaga University has been enriched by participation in developer communities, teamwork in development groups, and hands-on projects - all of which have solidified my passion for software engineering.

## ENGINEERING EXPERIENCE

**Bachelor of Science in Software Engineering Student** *Sept 2023 - Present*

**Student ID: PA106/G/18040/23**

**Full-Stack Software Engineer** *2023 - Present*

### Independent Development / Freelance

- Architected and deployed 5 applications using Next.js, Django, and PostgreSQL.
- Implemented real-time systems supporting 10,000+ concurrent users.
- Optimized database query performance by 70% for multitenant systems.

**Software Engineering Intern** *May 2025 - Aug 2025*

### Kenya Women Microfinance Bank (KWFT)

- Supported core banking digital transformation and internal systems.
- Collaborated in an Agile environment on system maintenance and optimization.

## TECHNICAL EXPERTISE

**Languages: JavaScript (ES6+), TypeScript, Python, Kotlin, Java, Dart**

**Frameworks: Next.js, React, Django, Node.js, Flutter, Tailwind CSS**

**Tools: Docker, PostgreSQL, Prisma, Git/GitHub, Linux, Firebase**

## KEY ACHIEVEMENTS

- Built a full-stack Kenyan e-commerce marketplace with managed product categories, Cloudinary-powered image management, M-Pesa/Visa/Mastercard payment integration, real-time cart, order tracking, and a customer account portal. The system was deployed to production using Neon PostgreSQL and Vercel.
- Built and deployed a social media platform with live user activity, image uploads via UploadThing, post feeds, profiles, likes, and Clerk-based authentication.