KENNETH KIMACHIA KIHARA

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Profile

Resourceful and technically skilled Bsc, Computer Science student (graduating 2026) with over 3 years of part-time experience in full-stack web development. Proven ability to identify real-world problems and deliver robust digital solutions. These include, SaaS platforms, public service systems, and utilities automation. Strong command of both front-end and back-end technologies and a growing interest in scalable systems and data-centric applications.

Technical Skills

- Web & UI Development: React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3, shadcn/ui
- Backend & Databases: Node.js, Go, REST APIs, PostgreSQL, MySQL
- CMS & E-commerce: WordPress, WooCommerce
- Data Science: Python, NumPy, Pandas, Scikit-learn, Matplotlib, EDA, regression models

Projects

Crashalytics Pro (Live SaaS Project)
https://www.crashalytics.pro

- **Problem**: Betting and gambling professionals lacked accessible, advanced strategy tools.
- **Solution**: Built a fully responsive SaaS platform with data visualizations and predictive analytics tools for risk and bankroll management.
- **Outcome**: Platform launched with active user engagement; demonstrates capacity to deliver commercial-grade full-stack applications.

Custom Water Supplier Management System
Portal Screenshots

- **Problem**: Manual billing and communication errors for a local water utility.

- **Solution**: Developed a system automating meter readings, invoicing, payments, and bulk alerts via WhatsApp.
- **Outcome**: Improved accuracy and reduced billing disputes; increased customer trust and operational efficiency.

Bursary Application & Management System

https://ebms-intro-8pdt.vercel.app/

- **Problem**: Manual processing of student bursary applications led to inefficiencies and data errors.
- **Solution**: Designed and implemented a secure web platform for application intake, review, and management.
- **Outcome**: Processed over 1,000 applications securely; adopted by constituency staff.

Insurance Claims Portal (Prototype)

https://github.com/kennethkimachia/Insurance-claims-portal-manager

- **Problem**: Lack of transparency and feedback in the policy claims process.
- **Solution**: Created a two-sided claims tracking system to allow real-time updates from agents and progress monitoring by policyholders.
- **Outcome**: Prototype validated through user testing; potential tool for improving insurance service delivery.

Experience

Co-Founder & Software Developer (Part-time)

Furiousa Solutions Ltd – Remote | Sep 2024 – Present

- Led development and launch of Crashalytics Pro (live product).
- Delivered custom systems for clients in government and local utilities.
- Coordinated remote teams and maintained deployment pipelines.

Full-Stack Web Developer (Part-time)

Bona Fama Digital – Nairobi (Remote) | Apr 2022 – Present

- Built high-performance WordPress sites with custom themes/plugins.
- Delivered full-stack support: design, implementation, security optimization, and SEO-readiness.
- Enhanced digital presence for small businesses and nonprofits.

Certifications

- **AWS ML Engineer Associate Curriculum** – Completed: Feb 16, 2025
- **Introduction to Machine Learning: Art of the Possible** – Completed: Feb 16, 2025
- **Getting Started with Amazon Comprehend**: Custom Classification – Completed: Jun 20, 2025
- **The Complete Full-Stack Web Development Bootcamp (Udemy)** – Completed: Jul 13, 2025
- **Data Science Essentials with Python (Cisco NetAcad)** – In Progress
- **Machine Learning A–Z: AI, Python & R (Udemy)** – In Progress

Education

Mount Kenya University: Bachelor of Science in Computer Science

Expected Graduation: August 2026

Sunshine Secondary School: KCSE: B– (A in Mathematics)

Completed: 2022

Ongata Royal Academy: KCPE: 377 marks

Completed: 2017

References

1. Josephat Kiprotich Tum,
   Teacher,
   Sunshine Secondary School,
   Tel: 0723361749
   Email: josephattum@gmail.com
2. Janepher Barasa,
   Dean of Languages,
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3. Patrick Wambugu Maina,
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