

# NDWIGA PATRICK MURANI

## SOFTWARE ENGINEER | GRAPHIC DESIGNER

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### PROFESSIONAL SUMMARY

Detail-oriented Software Engineer with expertise in full-stack development, combining technical precision with creative design thinking. Proficient in TypeScript, Next.js, React, Node.js, and PostgreSQL, with a strong foundation in UI/UX and graphic design. Passionate about building intuitive, visually engaging, and high-performing web applications that deliver seamless user experiences. Seeking to contribute to a dynamic team by developing innovative, scalable, and user-centric digital solutions.

### WORK EXPERIENCE

#### Hillgan Innovations | Software Engineer

March 2025 – June 2025

- Built and refined front-end interfaces for **KaziDesk**, **KaziPOS**, **KaziAfya**, and **HeaUunction**, applying modern **UI/UX principles** to ensure responsive and engaging user experiences.

#### AWS Student Community Day Kenya | Graphic Designer

May 2024 – September 2024

- Designed visual assets and event materials for **AWS Students Community Day Kenya**, ensuring consistent branding and engaging presentation.

#### Google Developer Groups UEAB | UI/UX Lead

September 2023 – August 2024

- Helped establish the **Google Developer Groups chapter** at UEAB and served as its first **UI/UX Lead**, organizing workshops and design-focused events on campus.
- Mentored students in **UI/UX and graphic design**, fostering creativity and practical design application through collaborative sessions.

#### Hillgan Innovations | Attaché

May 2024 – July 2024

- Contributed to front-end development of the **Hillgan Bulk SMS System** and **KaziDesk HR Management System**, applying **UI/UX principles** to deliver clean, responsive, and user-friendly interfaces.

#### University of Eastern Africa, Baraton | Full Stack Developer

2023 – 2024

- Developed the **UEAB Research Grants** website to streamline research project management and visibility.
- Built the **UEAB Innovation** website to showcase student and faculty innovations through an intuitive, user-centered interface.

- Captured and curated visual stories from campus events to highlight the university’s culture and community.
- Co-designed and produced the **UEAB Yearbook**, blending photography and graphic design to create visually cohesive layouts and memorable narratives.

- Designed the inaugural and second editions of **The Baratonian Newsletter**, shaping its visual identity through engaging layout and creative direction.

EDUCATION

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- Bachelor of Science in Software Engineering (*Second Class, Upper Division*)

- Kenya Certificate of Secondary Education (*B+*)

ACHIEVEMENTS

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- Accredited Graphic Designer

- Young Christians Society – ICT and Media Lead
- Laboratories Captain
- Class Secretary

SKILLS

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- **Technical Skills:** Full-Stack Development (React, NextJS, NodeJS, Tailwind CSS, TypeScript), Database Management (PostgreSQL, MySQL, MongoDB), Microsoft Office Suite
- **Design & UI/UX:** UI/UX (Figma, Adobe XD), Graphic Design (Photoshop, Illustrator, InDesign)
- **Photography:** (Photoshop, Lightroom, Premiere Pro)
- **Other Skills:** Management, Problem-solving, Communication, Leadership

## LANGUAGES

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- English (Fluent)
- Swahili (Fluent)
- Kiambu (Fluent)

## PROJECTS

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- Older Persons Cash Transfer Application System

Final-year undergraduate project focused on digitizing the **Inua Jamii** application process to improve efficiency and accessibility.

- More available on the Portfolio

## REFEREES

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