

COSMAS KIPRUTO KEMBOI

Phone: **0792151754**

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Portfolio: <https://kemboikipruto.netlify.app/>

PERSONAL PROFILE

I am an adept software developer with experience in building responsive web applications and managing full development lifecycles. I design, develop, and deploy web solutions that improve performance and user experience. I write clean, efficient code and apply best practices in testing and optimization. I have worked with databases, APIs, and modern frameworks to deliver scalable systems. I am reliable, adaptable, and focused on delivering practical solutions that meet business needs. I also have experience in AI/ML research and development, having developed real-time fraud detection with GNNs & behavioral biometrics and an adaptive recommendation engine using reinforcement learning to enhance security and personalized decision-making.

ACADEMIC QUALIFICATIONS

Chuka University 2019 - 2023

Bachelor of Science Computer Science.

Software developer and Network Architect.

Degree qualification - **Second Class Honors.**

Londiani Boys High School 2015 - 2018

Kenya Certificate of Secondary Education (K.C.S.E)

Mean Grade Attained **B**

WORK EXPERIENCE

Techbloom Solutions Agency: June 2024 – May 2025

Web Developer

- ❖ Developed projects including: Creative Agency, Employee tracking system, Mwas Movers Ltd, Youth tank, Purple pay agencies, Urban stock Investment.
- ❖ Engineered responsive and secure web applications using Reactjs, Typescriptjs, Laravel, Tailwindcss frameworks and also developed No-code platforms through Shopify, Webflow, Framer, Figma, to support dynamic client requirements.
- ❖ Conducted client consultations to gather project requirements and deliver customized software solutions.

TechBloom Solutions: Sept 2023 – May 2024

Digital Marketing strategist

- ❖ Managed SEO, PPC, email, and social media campaigns to drive traffic and leads.
- ❖ Created SEO-focused content and tracked performance with analytics tools.
- ❖ Used data insights to refine strategy, optimize conversions, and support client growth.

AI Research Associate

- ❖ Developed Real-time fraud detection with GNNs & behavioral biometrics and an adaptive recommendation engine using reinforcement learning to enhance security and personalized decision-making.
- ❖ Conducted computer vision experiments on image recognition and object detection with PyTorch, TensorFlow, and OpenCV, managing datasets of 50k+ samples.
- ❖ Evaluated AI systems for fairness and bias using Python, scikit-learn, and SHAP, drafting reports that guided compliance with ethical AI standards.

SKILLS

TOOLS

- ❖ **Programming & Web:** JavaScript, HTML, CSS, PHP, Python, Java, Tailwind CSS, Laravel, React.js, Node.js, Express.js, jQuery, Bootstrap, WordPress, Wix, Shopify, Adobe, Framer
- ❖ **Databases & Version Control:** MySQL, MongoDB, SQL, Git
- ❖ **AI & Machine Learning:** TensorFlow, PyTorch, Hugging Face Transformers, scikit-learn, spaCy, OpenCV, Pandas, NumPy
- ❖ **Remote Development:** Agile workflows, Jira, Trello, Slack, GitHub/GitLab collaboration, CI/CD pipelines, code reviews, asynchronous communication, time-zone coordination, virtual pair programming

CERTIFICATIONS

- ❖ Cloud Computing (March 2025)
- ❖ Amazon Web Services (May 2025)
- ❖ Generative AI (Jan 2024)

REFEREES

Mr. Salpei Paul – Project Manager
Techbloom Solutions Agency
Email: salpeijnr@gmail.com

Mr. Mutai Hesbon – Chief AI system Architect
Vyudu.com
Email: mutaihezzy9@gmail.com

Fredrick Mugambi Muthengi - Lecturer
Chuka University
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