

Purity Kapukha

Software Engineer| Tech Enthusiast| All-Round IT Specialist

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Profile

Passionate about technology and problem-solving, I thrive in dynamic environments where I can apply my skills in Software Development, IT support, networking, and cybersecurity. With a background in Applied Computing - Software Development. I don't just write code, I ensure systems run smoothly, data remains secure, and technology empowers people. My strong commitment to continuous learning and my ability to quickly adapt to new technologies have allowed me to grow in the field. Beyond the technical side, I believe in effective communication and teamwork. I am eager to leverage my technical skills to contribute to impactful projects and drive innovation in the Technology Field.

Education

Bachelor of science in Applied Computing, KCA University	09/2020 – 04/2024
Second class honours-Upper Division	Nairobi, Kenya

Professional Experience

Innovation Engineer, MAURYA EDU TECH	05/2025 – Present
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Roles

- Teach STEM and Robotics programs in international schools across Kenya.
- Deliver practical lessons in:-
 - Scratch programming (block-based learning)
 - Web development using HTML & CSS
 - Mobile application development
 - Arduino and Micro:bit programming
 - Python basics
 - AI and Machine Learning fundamentals
 - 3D design and graphic design
- Use in-house kits (e.g., Arduino, Mechatronics, Discovery Motion) for hands-on learning.
- Customize sessions based on grade level using LMS and AI Connect platforms.
- Support school demos, parent meetings, and curriculum integration discussions.

Achievements

- Successfully introduced robotics and coding to multiple international schools.
- Helped students develop and present real-world tech projects.
- Contributed to growing STEM interest through engaging and interactive teaching methods.
- Supported schools in adopting structured STEM learning in their co-curricular programs.
- Built strong relationships with school administrators to promote long-term partnerships.

ICT Support, Agha Khan Hospital Kisumu

09/2024 – 04/2025

Kisumu, Kenya

- Providing first-line support to hospital staff for hardware, software, and network issues.
- Troubleshooting system errors and resolving technical problems.
- Installing and configuring computer systems and medical devices.
- Responding to IT support phone calls from hospital staff.
- Escalating unresolved issues to ICT support team lead.
- Adding and managing user access and permissions in hospital systems.
- Configuring routers, switches, and firewalls.
- Monitoring cyber threats and implementing security measures using Comodo.
- Fixing Monitors, printers and CPU's.
- Resetting passwords for Doctors and all other staffs.

Software Engineer, E&M Technologies, Tatu City

01/2024 – 08/2024

Roles

Kiambu, Kenya

- Adapted front-end technologies to follow back end development using Angular.
- Developed software components in JavaScript based on functional requirements and specifications. Designed, developed, and troubleshooted software programs for databases and applications in PHP and SQL.
- Testing and Reviewing code to ensure the development standards are met.
- Developing and executing Test plans and testcases.
- Developing Applications using Angular.

Sales and Marketing Assistant, Safaricom

06/2023 – 08/2023

Roles

Kitale, Kenya

- Facilitated the creation and registration of Safaricom Paybills and tills for business owners.

- Actively marketed and sold Safaricom Fibre to Home and Fibre to Building solutions to residential and commercial clients.
- Educated customers on how to use newly created tills and payment services.
- Promoted and sold Safaricom routers to both existing and potential customers, helping expand internet connectivity.
- Handled the setup and configuration of routers at customer premises, ensuring proper installation and customer satisfaction.
- Supported digital marketing efforts by sharing Safaricom products, offers, and updates across Facebook, WhatsApp, and Instagram.
- Generated over 50 leads through social media campaigns.
- Maintained strong customer relationships through timely follow-ups, leading to repeat business and positive referrals.

Skills

HTML	CSS
Javascript	React
Angular	Git
Github	MySQL
PHP	

Certificates

WomenTechsters Bootcamp Training in software development	AMLD Africa Applied Machine Learning Days in USIU	KCA University Class Representative Certificate
ALX AI Starter Kit certificate	Aghakhan Hospital Fire Safety Training Certificate	

Languages

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| • English | • Swahili |
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Interests

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| • Travelling | • Researching | • Reading Novels |
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References

Samuel Maina, *Software Engineer*, E&M Technologies
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Dr Simon Mwendia, *Dean SOT*, KCA University
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Erick Acholla, *IT Support Manager*, Aga Khan Hospital Kisumu
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