

ELISHA NGARE KEANCHE SOFTWARE DEVELOPER | IT SPECIALIST

Experience: 2Years || keancheelisha3@gmail.com || +254706210521 Nairobi, Kenya ||
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<https://kenlisha.netlify.app>

PROFESSIONAL SUMMARY

Versatile Software Developer and ICT Specialist with 2+ years of hands-on experience in full-stack development, IT support, and cybersecurity. Proficient in designing scalable systems, optimizing performance, and deploying secure web applications. Proven track record of reducing system downtimes, streamlining user experiences, and delivering data-driven solutions to meet business and community needs. Strong foundation in both development and IT infrastructure support.

EXPERIENCE

Software Developer | Modcom Institute | Nairobi

Sep 2024 - Dec 2024

- Built scalable front-end and back-end systems using Flask, MySQL, and Bootstrap, reducing user-reported issues by 50%.
- Improved database efficiency by redesigning schema architecture, boosting query speeds by 40%.
- Reduced vulnerability risks by 90% through implementation of advanced input validation and SQL injection prevention.
- Conducted comprehensive code reviews and debugging sessions, lowering system errors by 30%.
- Delivered seamless integration of UI/UX designs to enhance the customer experience for 5,000+ users.

ICT Officer | Ministry of Education | Nyamira

Feb 2023 – Feb 2024

- Trained 200+ teachers in digital literacy, leading to a 70% increase in tech-enabled instruction across 15 schools.
- Supported e-learning initiatives, enhancing digital access for over 5,000 students.
- Supported SharePoint/OneDrive data backup and content sharing.
- Created Excel-based dashboards for performance tracking, enabling data-driven decisions on attendance and exam trends.
- Delivered proactive IT support and system maintenance, cutting downtime by 40%.

IT Graduate Trainee | Huduma Centre | Nyamira

Apr 2021 - Aug 2021

- Executed advanced diagnostics and repairs on LANs, UPS backup systems, and IT infrastructure, achieving a 50% reduction in downtime and enhancing overall service reliability.

- Performed routine upgrades and system maintenance, increasing service efficiency by 30%. □ Resolved over 200 client support issues with a 95% first-contact resolution rate.

KEY PROJECTS

- **Toi Shop (E-commerce System)** – Designed a secure online shopping platform with user registration, shopping cart functionality, secure checkout, and an admin dashboard. Processed over 500 transactions in the first month.
- **House Price Predictor** – Developed a machine learning model using Python (Linear Regression) to predict house prices based on area size. Achieved 85% accuracy during model validation and deployed using Flask.
- **Nyamira South Sub-County Website** – Created a responsive, multi-page website to serve 10,000+ residents with information on government services. Included sections like departments, institutions, FAQs, and contact forms.
- **Smart Office Dashboard** – Developed a dynamic web dashboard using Flask and MySQL to manage departmental listings, meeting calendars, and system notifications with full CRUD operations accessible only to admins.
- **School Website and CBC Portal** – Created a school portal for student admissions, fee tracking, exam results, newsletters, and CBC learner progress. Enabled parents to receive updates via SMS and view documents online.

EDUCATION

Modcom Institute of Technology

Certificate in Software Development | Sep 2024 – Dec 2024

Taita Taveta University

BSc. Mathematics and Computer Science | Sep 2017 – Sep 2022

Key Areas: Software Engineering, Web Development, Database Systems, Cloud Computing, Data Analytics

TECHNICAL SKILLS

- **Languages & Frameworks:** HTML, CSS, JavaScript, Python (Flask), Bootstrap, MySQL
- **Data & ML Tools:** Pandas, Scikit-learn, Excel Dashboards, Data Visualization
- **IT Support & Systems:** LAN/WAN, Hardware/Software Maintenance, UPS Systems
- **Cybersecurity:** SQL Injection Prevention, System Hardening, Authentication
- **Cloud & DevOps:** AWS (basic), CI/CD fundamentals

- **Other Tools:** Git, VS Code, Postman, Microsoft Office Suite

CERTIFICATES

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- Software Development Certificate – Modcom Institute (2024)
 - Computer Hardware Basics – Cisco Networking Academy (2024)
 - BSc. Mathematics and Computer Science – Taita Taveta University (2022)

SOFT SKILLS

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- Analytical Thinking & Problem-Solving
 - Technical Writing & Documentation
 - Team Collaboration & Leadership
 - Presentation & Communication
 - Adaptability & Continuous Learning

REFEREES

Mr. Peter Joseph

Senior Software Developer || Modcom Institute of Technology

Email: iampeterjoseph@gmail.com

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Mrs. Faith Jelagat Kiprono

Sub County Director of Education || Nyamira South Email:

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Dr. Sylvans Odhiambo Seje

Deputy Director, Quality Assurance and Standards || Murang'a County

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