

Joseph Maina Kinyua



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Software Engineer | Developer

I'm seeking a software engineer intern or entry role. I enjoy bridging the gap between functionality and design. My goal is to always build systems that are scalable and efficient under the hood while providing engaging, pixel-perfect user experiences. In addition, I'm highly responsive to client needs and also committed to helping people realize their vision.

PROFESSIONAL EXPERIENCE

Independent Electoral and Boundaries Commission (IEBC)

- **ICT Clerk: May – August, 2022.**

- **Achievements:**

- Provided a high quality first level ICT support service at Machakos County Tallying Centre during Kenya's general election.
 - Restored normal services to the users whenever an issue occurred by fixing technical issues, fulfilling service requests or answering queries in regard to relevant IT services to allow the users work effectively.
 - Prepared, configured IEBC software systems and tested KIEMS Kits systems in readiness for the Kenya's general election.
 - In liaison with the CICT, provided ICT technical support to the RO/DRO/PO/DPO/Clerks during the By-Election and the general Elections.

- **Skills:** *Computer Networking, Hardware and Software troubleshooting, Software testing, Team management.*

Kenya Revenue Authority (KRA)

- **ICT Intern: January – March, 2022.**

- **Achievements:**

- Ensured efficient ICT support to business operations in the organization by troubleshooting PC and network issues.
 - Aggregated unstructured data from various sources and uploaded the data into the organizations cloud storage to help the management in decision-making.
 - Managed day-to-day operations of the ICT infrastructure section, including network components like switches, Ip phones, computers hardware as well as organization's software, so as to ensure effective technical support, target setting, and performance management.
 - Collaborated with other departments to ensure complexion of organization's revenue targets are met.

- **Skills:** *Computer Networking, Cloud computing, Advanced excel, Hardware and Software troubleshooting, Hardware and Software maintenance, Research, Taxation, Government laws and operations, Collaborate in Team building, Professional communication.*

Kenya National Bureau of Statistics (KNBS)

- **Enumerator: July – August, 2019.**

- **Achievements:**

- Gathered and entered the data into a database and ensured the data collection sources are accurate.
 - Cross-validated the data to ensure it was accurate and of high quality.

- **Skills:** *Data entry, Data analysis, Time management, Interpersonal skills.*

SKILLS

- Software development prototypes; Extreme Programming, Scrum, Agile, Lean, and Waterfall.
- Programming languages; Java, C, C++, Python.
- Web programming; HTML, CSS, JavaScript, Node.js, React.js, EJS, PHP.
- Object technologies; Design Patterns, UML.
- Development tools; Visual Studio, Visual Studio Code.
- Other tools/ technologies/ DevOps; JSON, jQuery, APIs, Google Cloud, Kubernetes, Git, GitHub, AI, Scientific research.
- Databases; MySQL, SQL, MongoDB.

PROJECTS

- ***Implemented an internship management system for my final year school project***
 - Software architecture, design, testing and implementation.
 - Tech stack: HTML, CSS, JavaScript, PHP, SQL, MySQL, Xampp, Agile, DevOps, GitHub.
- ***Implemented a working calculator***
 - Software architecture, design, testing and implementation.
 - Tech stack 1: Assembly Language, Microprocessors.
 - Tech stack 2: JavaScript, Node.js.

EDUCATION

- **Certification in Software Engineering: November, 2022. – November, 2023 (Expected).**
Holberton School through the ALX Software Engineering Program, online.
- **B.Sc. in Computer Science: August, 2018 – December, 2022.**
Department of Computing and Information Technology at Machakos University, Kenya.
- **Certificate in Information Technology: February, 2017. – March, 2017.**
Department Information Technology at Soft-Tech College of Business Studies and Information Technology, Kenya.
- **High School Education: January ,2012 – November, 2016.**
Mukoe Secondary School, Nyandarua County – Kenya.
- **Certifications / Courses:**
 - Google Cloud Certification - Google Africa Developers, 2022
 - Java Master Class - Udemy
 - Full Stack Web Development - Udemy
 - Android Development - Google Africa Developers, 2020
 - Digital Marketing - Google Digital Skills for Africa;
 - Back-End web development using JavaScript and Node.js - DevTown, Google Developers Students Club, Microsoft Learn Student Ambassadors.

PARTICIPATIONS

- Africa Code Week workshop - Modcom Institute of Technology, 2019.
- United Nations Hult Prize competition - On Campus, 2019.
- The Big 5 Construct Kenya Exhibition - Microsoft Artificial Intelligence Workshop, 2019.

PROFESSIONAL ATTRIBUTES

- Dedicated, responsible and committed.
- Decision maker, capable of thinking outside the box, as well as able to invent new solutions to problems at hand.
- Excellent professional communication skills.

- Capable of working as part of a team in stressful situations, collaborate, and maintain composure and sense of humor in the face of constant interruptions or even heavy workloads.
- Capable of working independently with minimal supervision.
- Capable of showing respect to all cultures and people in a cultural diversified environment.
- Ability to meet deadlines and adjusting any changing priority.
- Ability to autonomously follow instructions and work, but also able to detect when a person is in over their head.
- Willingness to always learn through self-learning and mentorship to increase my knowledge base.

HOBBIES

- I enjoy reading novels, coding, playing puzzle games, playing table tennis, travelling, and socializing with new people, family and friends.