

## Victor Kiptoo

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Portfolio: [Portfolio website](#)

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### **Personal Summary**

I am an enthusiastic and motivated junior full stack developer with a proven track record in web application development. My skillset spans across various technologies, including JavaScript, Python, Flask, Django, Flutter, Dart, React, Node.js, PostgreSQL, MySQL, and HTML/CSS. My proficiency in creating dynamic and responsive web applications aligns well with the requirements of the job description.

Having a strong foundation in software development principles, I am dedicated to producing clean and maintainable code. My ability to adapt and quickly grasp new technologies positions me perfectly for the evolving nature of the field, and I am excited by the prospect of learning and growing in such an environment.

In collaborative settings, I thrive as a team player, leveraging my skills to contribute effectively to project success. My commitment to quality code and my eagerness to learn make me an ideal candidate to contribute to and thrive in the projects under the guidance of experienced professionals.

### **Experience**

**FarmIT Enterprise - May 2023- Nov 2024 (Software engineer and IT expert)**

#### **Key Responsibilities**

- 1.Mobile App Development:** Leveraged and developed a QGIS-integrated application enabling users to calculate vegetation indices (NDVI, NDMI, RECI) for precision agriculture. Automated workflows for geospatial data processing and analysis, streamlining decision-making for users.
- 2..Geospatial Crop Monitoring:** Integrated Google Earth Engine for real-time vegetation index calculations, enabling actionable crop health insights and AI-driven advisory for farmers.
- 3.GIS Data Management:** Developed real-time dashboards using FlutterFlow and managed GIS architecture, ensuring data accuracy and usability in QGIS and ArcGIS environments.
- 4,AI-Driven Advisory:** Automated weather-based crop recommendations using Dify AI and custom models to generate location-specific insights.
- 5.Collaboration and Training:** Worked with agronomists to design intuitive interfaces and conducted training sessions for stakeholders on geospatial tools.

**6.Data Integrity:** Maintained and optimized data pipelines, ensuring reliability and high-quality deliverables across systems.

● **BigBrainz Solutions December 2023 - May 2024 ( Part time junior developer and coding instructor ).**

**Key responsibilities**

1. Developing and maintaining company software systems.
2. Collaborating with other staff in testing and recommending new features.
3. Api implementation and integration.
4. Coding instructor to primary schools.
5. Eradicated critical data errors.
6. Troubleshooting issues and debugging code.

● **Crosstech.ke November 2022 - December 2022(Software Engineer)**

**Key Responsibilities**

1. Design website using Figma,
2. Use HTML, CSS , Bootstrap for frontend web development,
3. Use Python for backend and API website,
4. Optimizing the website for maximum speed and scalability,
5. Troubleshooting issues and debugging code,
6. Integrating a back end POS system with the front end design,
7. Ensuring website security and accessibility.

**SKILLS**

1. Knowledgeable in front-end technologies such as HTML, CSS, Typescript , Bootstrap, JavaScript, Reactjs and jQuery.
2. Knowledgeable in back-end technologies particularly using Python, flask, Flutter, Dart, Django using the Visual Studio and also Flutterflow.
3. Familiar with database management systems such as MySQL and PostgreSQL.
4. Ability in developing RESTful APIs and integrating third-party APIs.
5. Knowledge of software systems e.g. Git, Github.
6. Understanding of software development principles, including Agile methodologies.
7. Ability to troubleshoot and debug code to ensure optimal performance.
8. Strong communication, collaboration, and problem-solving skills.
9. Detail-oriented and able to work independently or as part of a team.
10. Passionate about staying up-to-date with the latest trends and technologies in web Development.

## **EDUCATION**

**August 2020 - December 2024:** Bachelor in Economics and statistics, Kenyatta University

**May 2022 - November 2022:** FreeCodeCamp online HTML, CSS & Vanilla JavaScript course.

**May 2023 – November 2023:** Software Engineering, Moringa school

**2016-2019:** Kenya Certificate of Secondary Education attained Grade B, Moi Forces Academy, Nairobi.

**2008-2015:** Kenya Certificate of Primary Education attained 400 marks, St. Mary's Kababiy Preparatory

## **Referees**

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