

## Patrick Kaveke Mbugua

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### *Bio Data*

**GENDER:** Male

**DATE OF BIRTH:** 1989

**NATIONALITY:** Kenyan

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### *Personal Profile*

I am a software engineer with over 3 years of experience and passion for developing innovative programs that expedite the efficiency and effectiveness for an organization success. Well-versed in modern technology and writing code to create systems that are reliable and user-friendly.

A proven team player by my ability to motivate, educate, and manage a team of professionals to achieve an objective seen in my previous engagement in other jobs done before transitioning to software development.

Confident communicator, strategic thinker, and innovative creator to develop software that is customized to meet a company's organizational needs, highlight their core competencies, and further their success.

Check my website to see some of my projects and more information.

Website:<https://know-patrick.vercel.app/>

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### *Skills*

- **Coding languages** - Typescript, Python, HTML5, Javascript.
- **Element styling** - Tailwindcss, CSS3, Daisy UI.
- **Frontend frameworks** - Nextjs, React, Bootstrap, Material UI, MaterializeCSS.
- **Backend frameworks**- Django, Django RestFramework, Nextjs.
- **Database development**- Supabase, MongoDB, PostgreSQL, MySQL.
- **Working/collaborative platforms** - Github, Jira, Slack, Discord.
- **Cloud Computing** - Amazon Web Services(aws), DigitalOcean, Google Cloud, Heroku, Vercel, Railwayapps.
- **API testing tools** - postman.
- **Containers**- Docker, Git container registry
- **Database management** - Prisma ORM (Object relation mapping)

## Work Experience

March 2021- Present

PM codes

**Position: Full Stack Developer**

**Responsibilities:**

- ❖ **User Management**- Analyze user requirements, develop interfaces that control the scheduling of jobs and control the access rights of users and remote systems
- ❖ **API Documentation** - Generating API endpoints schemas using the capabilities of Django rest framework to aid in incorporating backend developments with frontend.
- ❖ **System Management** – Maintain system by monitoring and correcting software defects, database schema updates as service production mutates and conducting diagnosis.
- ❖ **Team collaboration and coordination** – Work closely with other staff, such as project managers, graphics, UX designers, other developers, system analysts using platforms, such as Jira to assign roles/todos.
- ❖ **Systems Integrations** – Integrate existing software products to get incompatible platforms to work together with service providers such as Mpesa, paypal, stripe and other effective modes of goods/subscription payments.
- ❖ **Running code tests** – Evaluating the expected system behavior, and developing existing programs to mitigate and modify any discrepancies.
- ❖ **Frontend design** – Consult clients and colleagues concerning the maintenance and performance of software systems with a view of coding or modifying current in operation systems to enhance better user experience.

October 2019-March 2021

Shira limited

**Position: Quality control supervisor (part time)**

**Responsibilities:**

- ❖ Interviewing, training, and recruiting new staffs.
- ❖ Keeping work done, Quotations and Order records.
- ❖ Verifying the sufficiency of materials for mass production.
- ❖ Mediating and solving conflicts arising among staff members.
- ❖ Constituting and leading the creativity and designing for newly ordered products.
- ❖ Effectively disseminating official communications to other staff members.
- ❖ Delegating and approving jobs to be done by other staffs.
- ❖ Controlling the quality of products according to the taste and preference of the client as well as maintaining the professional and traditional quality standards.

August 2022-September 2022

**INDEPENDENT ELECTORAL AND BOUNDARIES COMMISSION (I.E.B.C)**

**Position: Election Official**

## Responsibilities:

- ❖ **Clerk 1** -Electronic voter identification using KIEMS kit before a voter is issued with a ballot paper.
- ❖ **Counting Votes**-Openly in the presence of election observers and candidate agents,
- ❖ **Polling station Set-up** – Transforming whichever institution gazetted and allocated to us into a polling station in accordance with I.E.B.C rules and regulations.
- ❖ **Enhancing election integrity**- This is done through strictly identifying voters Biometrically, making sure a voter is allowed to vote in that polling station enhanced by Kenya Integrated Electoral Management System (KIEMS) and also not allowing any alien election material gets into the voting room.
- ❖ **Data Update** – Regularly notifying the presiding officer on instantaneous voter turn out for effective data collection for statistical analysis.
- ❖ **Election Simulations** – Conducting several election imitation processes in accordance with recommended I.E.B.C protocol, to test the system so as to avoid unnecessary systemic brake down during the general elections.

**August 2019 - September 2019**

**KENYA NATIONAL BUREAU OF STATISTICS**

**Position: Enumerator**

## Responsibilities:

- ❖ Inquiring about a variety of specific information including a person's name, age, religious preference, address and state of residency, family size, properties ownership etc .
- ❖ Gathering, recording and encoding information from a survey.
- ❖ Getting in touch with individuals to be interviewed in their own home or office by mail, phone, or in person.
- ❖ Recognizing and give an account of problems in obtaining data.
- ❖ Submitting completed tasks to the supervisor and discuss developments daily.
- ❖ Reviewing data gathered from an interview to check if they are complete and accurate.
- ❖ Interpreting and helping respondents in filling out a questionnaire where necessary despite of the census being purely digital
- ❖ Mapping households and educating respondents on the importance of a census in a national planning.

**December 2015-September 2016**

**SHIRA LIMITED/ FLY FISHING LIMITED**

**Position: Quality Control Supervisor (Full Time)**

## Responsibilities:

- ❖ Supervising the selection, workflow, training and development of staff
- ❖ Assessing production process issues and recommend improvements
- ❖ Supervising product testing to ensure procedure accuracy

- ❖ Recommending manufacturing or technology aids to increase speed and efficiency
- ❖ Assisting in developing and implementing quality assurance programs to meet production standards and customer requirements

**March 2007 – December 2011    SHIRA LIMITED/ FLY FISHING LIMITED**

**Position: Production Officer**

**Responsibilities:**

- ❖ Overseeing all the activities of the closing section operators and make sure that any adjustment or correction needed to run the closing machine is given promptly.
- ❖ Ensuring the safe-keeping of closing section tools and equipment and updating of tools inventory record.
- ❖ Carrying out the responsibility for timely switch “ON” of closing section machines/Grease heaters that are having Job each day.
- ❖ Ensuring any jobs done in each day are properly and correctly reported on the report form
- ❖ Ensuring any tools used are cleaned before returning them to the toolboxes.
- ❖ Making sure that operators regularly keep their machines and working environment clean at the end of each day activity.
- ❖ Ensuring operators comply with the company Health, Safety and Environment policies by regularly using the Personal Protective Equipment provided.
- ❖ In case the closing section Engineer/Senior Officer is unavoidably in absence, making sure that all necessary machine parameters are set to achieve standard rope are forming prior to QA/QC inspection.
- ❖ Processing the client’s orders and informing them when the orders are processes
- ❖ Evaluate different containers suppliers, compare pricing and the quality of containers before signing any contracts
- ❖ Interviewing vendors, I would visit our clients to have a one on one discussion on our working terms
- ❖ Keeping records and filling all the records of the inspection and sales orders
- ❖ Doing weekly reports to the management on areas of concerns.
- ❖ Carrying out any other duty as allocated by the management
- ❖ Communicating customer issues with operations team and devise ways of improving the customer experience, including resolving problems and complaints.

**Education**

**FEB 2012- NOV 2015**

**Rungiri Secondary School**

Kenya Certificate of Secondary Education  
Attained: Grade (B PLAIN)

**FEB 1997- NOV 2005**

**Muti Primary School**

Kenya Certificate of Primary School

## Professional Qualifications

**August 2016 - December 2020 Murang'a University of Technology**

**Qualification:** B.Sc Applied Statistics With Programming

**Attained:** Second Class Honors (Upper Division)

**February 2020- April 2020 Kesap Research Centre**

**Qualification:** STATA,SPSS And R Certificate

**February 2020- April 2020 Datacamp (Online Servers)**

**Qualification:**

Python For Data Science (Pandas, Numpy, Matplotlib SeabonPackages)

## Additional Information

### LEADERSHIP EXPERIENCE

- ❖ Shira limited workers welfare association Secretary general from Jan2009-dec 2013
- ❖ September2017-December 18<sup>th</sup> 2020: B.sc Applied Statistics with Programming class representative (class Rep)
- ❖ August 2021- current: Kinoo self -help Darts club Secretary

### ACHIEVEMENTS

- ❖ January 2010-december 2011, Introduced and rolled out Shira limited welfare association loaning program which immensely increased the welfare annual revenue.
- ❖ October2020-Dec 2020, actively participating in the Kenya Broadcasting Corporation (KBC) road safety policy making process courtesy of Safetyplus Consulting Limited during my research internship program.
- ❖ Drafted the currently adopted constitution of the Kinoo Self-help Darts club.

## *Referees*

- 1. Ms. Caroline Githinji**  
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