

# VICTOR MBURU MWAURA

Software Engineer /  
Data Analyst



## Contact

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### Portfolio

<https://devlaukey.netlify.app/portfolio>

### LinkedIn

<https://www.linkedin.com/in/victor-mwaura>

## Websites, Portfolios, Profiles

- <https://github.com/devlaukey>
- <https://devlaukey.netlify.app/portfolio>

Data Analyst and Software Engineer passionate about transforming raw data into actionable insights. Skilled in **data cleaning, visualization, and dashboard development** using **Power BI, Python, SQL, and Excel**. Experienced in building data-driven solutions that support decision-making, automate reporting workflows, and improve operational efficiency. Strong background in software development enhances the ability to integrate data pipelines with scalable applications.

## Work History

02/2025 –  
present

### Full-stack Web Developer & AI Engineer

AMS AI

- Developing an AI-powered supply chain analytics solution to predict medical supply needs.
- Designed and implemented real-time dashboards for demand forecasting and inventory optimization.
- Integrated data from multiple sources (SQL databases, APIs) to support predictive models.

09/2024 –  
02/2025

### Data Analyst

Kenya National Chambers of Commerce and Industry (KNCCI), Nairobi

- Cleaned, validated, and structured large datasets for analysis and reporting.
- Built **interactive Power BI dashboards** to visualize trends in trade, membership, and growth metrics.
- Automated Excel-based reporting workflows, reducing manual reporting time by **30%**.
- Supported data governance efforts by documenting transformations and business logic.
- Collaborated with cross-functional teams to deliver data-driven insights for decision-making.

02/2024  
– 06/2024

### Virtual Reality Developer Intern

Dedan Kimathi University of Technology - Siemens, Nyeri

- Achieved Digital Twinning using Unity and a 7 axis Robot Arm
- Conducted research on emerging VR technologies and contributed innovative ideas

## Skills

Power BI  
Power Query (M)  
DAX  
Excel  
Pandas  
NumPy  
SQL  
PostgreSQL  
MySQL  
API Integration  
Data Cleaning & Transformation  
Python  
JavaScript  
TypeScript  
Node.js  
KPI Dashboards  
Data Storytelling  
Interactive Reports  
Git  
Jira  
Azure  
Google Cloud

## Languages

**English, Swahili:** Native language, **French**

to enhance user experience and interaction in virtual environments.

- Supported the debugging and troubleshooting process to identify and resolve technical issues in VR applications.
- Actively participated in code reviews and provided constructive feedback to improve code quality and maintainability.
- Assisted in the documentation of VR development processes, including best practices and development guidelines.

01/2024 –  
02/2024

### Blockchain Developer

*PLEARN, Milan*

- Researched and designed web3 user interface designs using Figma
- Implemented smart contracts using Solidity and Rust for the blockchain-based play-to-earn game, ensuring transparency and security in transactions.
- Developed the game logic and mechanics, including tokenomics and in-game rewards, to create an engaging and rewarding player experience.
- Integrated blockchain technology with Unity or other game development frameworks to enable seamless interaction between the game and the blockchain.
- Designed and implemented decentralized player-owned economies, allowing players to buy, sell, and trade in-game assets securely on the blockchain.
- Collaborated with artists and designers to create visually appealing game assets and user interfaces that enhance the overall gaming experience.
- Implemented blockchain-based authentication and authorization systems to ensure the integrity and fairness of player actions and rewards.
- Conducted thorough testing and optimization to ensure scalability, performance, and security of the blockchain infrastructure supporting the play-to-earn game.

12/2023 –  
04/2024

## Full Stack Web Developer

*INTEN Digitals Limited, Nairobi*

- Developed accessible, responsive, and visually appealing UIs using **React.js**, **Next.js**, and **TypeScript**, adhering to **UI/UX principles** and collaborating closely with designers to deliver pixel-perfect designs.
- Optimized performance and implemented **SEO-driven features** for web applications, leveraging localization techniques and modern frameworks like **Next.js** and **Gatsby**.
- Integrated **headless content management systems** such as **Sanity** and **Contentful** to enable scalable, dynamic content management.
- Followed **Agile development methodologies**, collaborating effectively with cross-functional teams and ensuring quality through comprehensive **QA testing** and debugging processes.
- Enhanced web application performance by employing best practices in **localization**, **experimentation**, and **performance optimization**, delivering solutions aligned with business goals.

05/2023 –  
12/2023

## Virtual Reality Developer

*Starjabu Digitals Limited, Nairobi*

- Collaborated with the development team to design and implement immersive virtual reality experiences using Unity and C#.
- Assisted in optimizing VR applications for performance and scalability on various VR platforms such as Oculus Rift.
- Demonstrated strong problem-solving skills and adaptability in a dynamic and fast-paced VR development environment.
- Contributed to a positive team environment by collaborating with fellow interns on group projects and presentations.
- Explored new technologies and approaches to streamline processes.

05/2022 –  
07/2022

## SOFTWARE DEVELOPER (DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY ATTACHMENT PROJECT)

*Shamba Digi, Nyeri, 36*

- Scrum Master of the Nyeri Smart Farmers Team. Frontend Developer (EJS, CSS, JAVASCRIPT) and Backend Developer (NODEJS, EXPRESS, BYCRYPT, MongoDB).
- Facilitated sprint planning, daily stand-ups, and retrospectives, resulting in a 20% increase in team productivity and a 15% decrease in project delivery time.
- Developed a web application with a user-friendly interface, resulting in a 30% increase in user engagement and a 25% decrease in bounce rate. Scrum Master of the Nyeri Smart Farmers Team

03/2021 -  
12/2021

## **GRADUATE TRAINEE: APPLICATION DEVELOPER/TECHNICAL CONSULTANT**

*MSQUARED MEDIA LIMITED*

- Developed fully responsive and interactive web applications using HTML, CSS, jQuery, Bootstrap, and JavaScript.
- Created a technical portfolio for clients to showcase their abilities.
- Designed social websites for special message delivery, such as birthday wishes and wedding invitations.

05/202 -  
12/2021

## **SOFTWARE ENGINEER**

*Agho, Abia, Nigeria*

- Frontend Developer: Next.js, TypeScript, Tailwind CSS, GraphQL, Redux, Jest, React Testing Library.
- Achieved a 20% improvement in page load speed by optimizing code structure and implementing Next.js server-side rendering.
- Enhanced user experience, increasing user retention and decreased bounce rate through Tailwind CSS responsive design using Figma.
- Increased code coverage by 30% through comprehensive unit and integration testing with Jest and React Testing Library, resulting in fewer bugs and improved code quality.

07/2020 -  
12/2020

## **SOFTWARE ENGINEER**

*The JITU, Nyeri*

- Developed a fully functional **e-commerce**

**platform** using **React.js**, **TypeScript**, **Next.js**, **Node.js**, **Express.js**, **Prisma**, **Nodemailer**, **Bcrypt**, and **PostgreSQL**, implementing features like secure user authentication, email notifications, and optimized database queries.

- Collaborated with a **10-person development team** on **product development** and **application support plans**, leveraging **Agile methodologies** and utilizing tools like **Jira** and **GitHub** for project management and version control.
- Built scalable **RESTful APIs** and integrated third-party services to enhance platform functionality, following **industry best practices** for security and maintainability.
- Designed and optimized **database schemas** using **PostgreSQL**, enabling efficient querying and data storage for high-traffic applications.
- Applied expertise in **secure coding practices**, **testing frameworks** like **Jest** and **Cypress**, and **CI/CD pipelines** to ensure seamless deployment and testing processes.

05/2020 –  
09/2020

## **SOFTWARE DEVELOPER (MORINGA SCHOOL STUDENT PROJECT)**

*Fitty Life*

- Scrum Master: Moringa School Fitty Life Team.
- Frontend Developer: HTML, CSS, JavaScript, React.js.
- Mobile Developer: Java, Android, Kotlin, Retrofit, Room Persistence Library.
- Led sprint planning and retrospectives, resulting in a 15% increase in team velocity and a 10% decrease in sprint backlog completion time.
- Developed a responsive web interface, leading to a 20% improvement in user engagement metrics and a 25% decrease in bounce rate.
- Implemented an Android app with efficient network calls, resulting in a 30% reduction in API response time and a 20% increase in app performance.
- Implemented CI/CD pipelines using Docker, resulting in a 40% reduction in release cycle time and a 50% decrease in deployment errors.

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## Education

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02/2025 -  
Present

### **Masters of Science in Computer Science**

*DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY - Nyeri*

- International Student Exchange program
- Machine Learning and AI
- Research
- Software Engineering

05/2020 -  
05/2024

### **Bachelor of Science in Computer Science**

*DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY - Nyeri*

- Completed Bachelor of Science in Computer Science
- Software user interface design using Figma
- Member of Christian Union

01/2024 -  
12/2024

### **Data Analytics Certification**

*Turing College - Lithuania*

- Data cleaning, preprocessing & wrangling (Excel, Google Sheets, Python Pandas)
- SQL for querying and managing relational databases
- Data visualization & dashboards (Power BI, Tableau)
- Statistical analysis & business metrics (regression, cohort, RFM, CLV, A/B testing)
- Python for analytics (Pandas, Matplotlib, Seaborn)
- Communication & data storytelling for stakeholders
- End-to-end project execution with real datasets
- Building analytical reports & presentations with clear insights

05/2024 -  
08/2024

### **Microsoft ADC Software Security Expert**

*Cyber Shujaa -Nairobi*

- Focused on secure coding practices, threat modeling, penetration testing, cloud infrastructure security, and vulnerability assessment.
- Developed essential soft skills for employability

and career progression. Emphasis on communication, teamwork, adaptability, and leadership.

02/2020 -  
12/2020

## Full Stack Web and Mobile Development

MORINGA SCHOOL - Nairobi

- Focused on building scalable and secure web and mobile applications using **React.js**, **Next.js**, **Node.js**, **TypeScript**, **Java**, **SCSS**, and **JSON**.
- Utilized **modern frameworks and libraries** such as **React Query**, **Tailwind CSS**, **Axios**, and **Zustand** for state management.
- Gained proficiency in **RESTful APIs** and **GraphQL** and implemented secure authentication and authorization workflows using **JWT** and **OAuth**.
- Elected **Scrum Master** and team leader, fostering collaboration and delivering projects efficiently within an agile environment.
- Awarded **Certificate of Completion**.

01/2016 -  
12/2019

## KCSE

NJIIRI SCHOOL - Murang'a, 29

Grade: A-

- Awarded High School Certificate
- Elected to Chairman of Student Council in 2019
- Member of Scout Club
- Elected to Christian Union Executive Committee

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## Projects

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- **Business Insights Dashboard** – Built Power BI dashboards from Excel and SQL data sources, visualizing KPIs, trends, and growth patterns.
- **Sales Forecasting System** – Developed a Python regression model to predict monthly sales, improving forecasting accuracy by **18%**.
- **Inventory Analytics Tool** – Created a data management platform that reduced inventory losses by **30%** through real-time reporting and insights.
- **Healthcare Data Intelligence Platform** – Integrated data pipelines with predictive AI models to support supply chain decision-making.

- **GitHub Portfolio** (2020 – Present)  
<https://github.com/DevLaukey/>

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## References

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## Certifications

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| 12/2020 | Full Stack Software Development                      |
| 08/2024 | Microsoft Software Security Specialist Certification |
| 12/2024 | Data Analytics – Turing college                      |

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## Interests

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- Data Analysis
- Data Science
- Blockchain
- Software Engineering