



# David Mbugua

SOFTWARE ENGINEER

Experienced software Engineer & UI/UX designer with a Full-Stack Software Development certificate from Ubunifu College of AI. Skilled in full-stack development, UI/UX design, and mobile app development. Strong problem-solving and decision-making skills, with a collaborative approach to software development. Active contributor to open-source projects, leveraging collaborative development to deliver innovative software solutions and contribute to the open-source community.

## PORTFOLIO

[davidmbugua.netlify.app](https://davidmbugua.netlify.app)

## EMPLOYMENT HISTORY

### Software Engineer at Onfon Media, Nairobi

JANUARY 2024 — PRESENT (ON CONTRACT)

#### Front-end Engineer, Feedback Referral and Resolution Mechanism (FRRM) for UNHCR

- Contributing to the development of FRRM, a critical inter-agency platform designed to enhance communication and accountability between refugees and assistance organizations.
- Leveraging React's component-based architecture and virtual DOM for optimal performance and maintainability.
- Utilizing React Hooks to manage complex component state and side effects, ensuring a seamless and responsive user experience for agents accessing essential services.
- Optimized rendering performance and data fetching through React's Context API and React Query, minimizing network requests and improving the overall responsiveness of the FRRM platform.
- Worked closely with back-end engineers to design and implement robust RESTful API integrations using JavaScript's Fetch API, facilitating real-time data exchange between refugees, UNHCR, and partner organizations.

#### Lead Mobile Developer, Smart Books

- Leading the development of a mobile application using Flutter, leveraging its cross-platform capabilities to create user-friendly experiences for both Android and iOS.
- Managing the project lifecycle, from ideation and design to development, testing, and deployment.
- Mentoring and guiding junior developers to foster a collaborative and high-performing team environment.

### Software Engineer at Bell and Cross Investment, Nairobi

MARCH 2022 — DECEMBER 2023

STARTUP IN NAIROBI

- Collaborate with cross-functional teams to develop and maintain software applications, leveraging technologies like MongoDB, Express, React, Tailwind, and Node.
- Implement CI/CD pipelines using Jenkins and GitLab CI/CD to automate build, test, and deployment processes.

## Details

Nairobi, Kenya  
+254 790 362962  
[davidnginyo11@gmail.com](mailto:davidnginyo11@gmail.com)  
[LinkedIn](#)  
[GitHub](#)  
[Medium](#)  
[Figma](#)

## LANGUAGES

JavaScript | TypeScript | Python  
C# | Java | Dart | HTML5 | CSS | SQL

## TECHNOLOGIES

React JS | Node JS | Vue.js  
React Native | Flask | Spring boot | PostgreSQL | Firebase  
MongoDB | AWS | Git  
Rest APIs | Figma | Jest

## OTHERS

Design Thinking | Agile  
Software development | CRUD |  
Adobe illustrator & XD | MVC  
architecture | Functional  
Programming | Object  
Oriented Programming

## TOOLS

VS Code | Android Studio |  
XCode IntelliJ | PyCharm |  
GitHub | Netlify & Vercel |  
Stack Overflow | Markdown

## Hobbies

Travelling, Hiking, driving, Listening  
to and discovering new Music.

## Languages

English

Swahili

- Monitor and optimize web and mobile applications for performance and scalability.
- Work closely with the development team to ensure seamless integration of new features.
- Responsible for setting up and maintaining monitoring tools to ensure system health and reliability.

#### **Apple Solutions Consultant-Store Manager, Salute iWorld, Nairobi**

OCTOBER 2019 — OCTOBER 2021

#### **IT Specialist and Graphics Designer, Salute Holdings LTD, Nairobi**

AUGUST 2019 — SEPTEMBER 2020

## **SKILLS**

- Proven experience in developing user-facing products and full-stack development using JavaScript, Java, and Dart or other mainstream programming languages.
- Experience with querying, manipulating, and reporting on big data platforms.
- Demonstrated ability to design secure and scalable services on Azure or other cloud technologies.
- Familiarity with REST APIs for efficient data exchange and communication.
- Understanding of front-end performance optimization techniques to ensure smooth user experiences.
- Ability to quickly learn and adapt to new technologies and frameworks.
- Excellent problem-solving, debugging, and attention to detail.
- Solid communication and interpersonal skills, with the ability to convey technical concepts to diverse audiences.

## **EDUCATION**

#### **Full Stack Software Development, Ubunifu College, Nairobi**

Ubunifu College of AI (Full Stack Software Development)

- Developed skills in front-end development using HTML, CSS, JavaScript, Figma, and React JS.
- Developed skills in back-end development using Firebase, Node JS, Express, MongoDB, SQL and Python.

#### **Diploma in Information Technology, Zetech University, Nairobi**

KCSE, Highway Secondary, Nairobi

KCPE, The Nairobi Primary School, Nairobi

## **Self-Taught Courses**

Agile Methodology, IBM

Design thinking Practitioner, IBM

JANUARY 2022 — FEBRUARY 2022

## VOLUNTEERING

### Open-Source Developer at GitHub

JANUARY 2023 — PRESENT

I have worked and contributed to GitHub's official 'maintainer month' website. the website is built using React and I was working on adding accessibility features.

<https://github.com/david-mbugua/maintainermonth>

### Open-Source Developer at React Devs Kenya

JANUARY 2023 — PRESENT

As a contributor to the React JS Community in Kenya, I have helped to enhance their website and learning resources repository. Through my contributions, I have been able to support the growth of the community and help others achieve their professional goals in web development.

[HTTPS://GITHUB.COM/DAVID-MBUGUA/FANTASTIC-FRONTEND-REACT](https://github.com/DAVID-MBUGUA/FANTASTIC-FRONTEND-REACT)

### Open-Source Developer at Eddie Hub

As a member of the Eddie Hub Community, I have been able to contribute to open-source projects and collaborate with developers worldwide. Through my contributions, I have been able to sharpen my skills in various domains such as web development.

<https://github.com/eddiehubcommunity>

### Education Support Volunteer – Ubunifu College.

Taught HTML, CSS, Vanilla JavaScript, Bootstrap and Firebase to students at Ubunifu College in Nairobi.

Completed 80+ hours of teaching and enabled an increase in their academic score.

## HACKATHONS

### PLP Africa Power Hacks – [link](#)

2nd Runners up, developed a mobile app for an agro-tech idea named Shamba Fresh using Flutter and leveraged AI with a chatbot API.

### DECENTRALAND METAVERSE HACKATHON – [click here](#)

Led a team of developers to design and build a multiplayer game in the metaverse using TypeScript, Decentraland SDK, and WebSocket. Awarded for Best Use of Decentraland's SDK.

### PLP Africa Water Day hackathon

Won the best idea overall and the best mobile project by building a mobile app named WabaYetu using Flutter.

## PROJECTS

Kindly visit my portfolio at <https://davidmbugua.netlify.app/> to view my projects.

I am an active contributor to [open-source](#) projects, leveraging collaborative development to deliver innovative software solutions, demonstrate expertise in coding practices, and contribute to the open-source community.