



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

Employment History

Software Engineer and UI/UX designer at Bell and Cross Investment, Nairobi

MAY 2023 — PRESENT

- Develop software applications and programs for both front-end and back-end purposes, leveraging **MongoDB**, **Express**, **React** and **Node**.
- Collaborated with cross-functional teams to understand project requirements and objectives.
- Created wireframes, prototypes and interactive mock-ups to visualize design concepts.
- Optimized web and mobile applications for maximum speed and scalability.
- Developed and tested APIs.
- Ensuring Compliance with coding Standards and Technical Design throughout the SDLC.

Software Engineer at Selluh Tech Insurance, Nairobi

JULY 2022 — MARCH 2023

Insurance-Tech Startup in Nairobi.

- Developed user-facing mobile applications for Android and iOS platforms using **Java** and **React Native**.
- Built and maintained web applications leveraging **React JS**, **Node.js** and **PostgreSQL**.
- Debugged and fixed issues in development, testing, and production.
- Created test plans and wrote unit and functional tests using **Jest** and **Mocha**.
- Contributed to software design for features and bug fixes.
- Wrote clean, modular, and maintainable code while following best practices and coding standards.
- Collaborated within a **Linux**-based development environment for seamless project execution.

Details

Nairobi, Kenya

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[LinkedIn \(click these\)](#)

[GitHub](#)

[Medium](#)

[Figma](#)

LANGUAGES

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

TECHNOLOGIES

Kotlin | React JS | Node JS |
Flutter | React Native
PostgreSQL | Firebase
| MongoDB | Bootstrap | 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

Apple Solutions Consultant-Store Manager, Salute iWorld, Nairobi

OCTOBER 2020 — OCTOBER 2022

IT Specialist and Graphics Designer, Salute Holdings LTD, Nairobi

AUGUST 2019 — SEPTEMBER 2020

SKILLS

- Experience in developing user-facing products and full-stack development using **React, Express, MongoDB** and **Node**.
- Proficient in Java with extensive experience with developing mobile applications and web applications.
- Strong knowledge of Databases – SQL (**PostgreSQL** and **MySQL**) and NoSQL (**MongoDB**).
- Can develop, implement and test APIs
- Problem-solving and decision-making skills
- Experience in unit and functional testing with Jest and Mocha respectively
- Ability to understand and work with new technology quickly.
- Collaboration and people management skills

Education

Full Stack Software Development, Ubunifu College, Nairobi

AUG 2020 — MAY 2021

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.

Information Technology, Zetech University, Nairobi

MAY 2018 — JUNE 2019

KCSE, Highway Secondary, Nairobi

FEBRUARY 2014 — DECEMBER 2017

KCPE, The Nairobi Primary School, Nairobi

JANUARY 2005 — NOVEMBER 2013

Self-Taught Courses

MySQL, Self-taught

Dart-Flutter, Self-taught

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. I have created and added courses, tutorials, and cheat sheets to the repository, providing valuable resources for fellow developers to improve their React JS skills. 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. Working alongside other community developers has helped me gain valuable experience in team collaboration and project management. I'm proud to be a part of this vibrant community that's making a real impact on the world of open-source software.

<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.