David Mbugua

SOFTWARE ENGINEER

Profile

As a Software Development, I am passionate about building software systems that are functional, efficient, and user-friendly. I am a quick learner, decisive with limited information, and able to back up my decisions with sound logic. I have a track record of working independently and collaboratively, and I am receptive to constructive criticism. Outside of work, I am an adventurous traveller, a connoisseur of music, and an automotive enthusiast.

Employment History

Software developer at Selluh Tech insurance, Nairobi

JANUARY 2022 — PRESENT

Insurance-Tech early-stage Startup in Nairobi.

We are building an insurance underwriting system that underwrites individual business, corporate business, and Fund management.

- Build the mobile system using Flutter (Android and IOS).
- I use electron to build the Desktop version.
- Build the web system using React and Node.
- Responsible for bug fixing and software analysis.
- Contribute to design changes and adding features.

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

Education

Coding Bootcamp Certificate, Ubunifu College, Nairobi

MAY 2021 — JUNE 2022

Joined Ubunifu College to Pursue a Full-Stack Software Development course.

Information Technology, Zetech University, Nairobi

MAY 2018 — JUNE 2019

Joined Zetech to pursue a diploma in IT

KCSE, Highway Secondary, Nairobi

FEBRUARY 2014 — DECEMBER 2017

KCPE, Nairobi Primary School, Nairobi

JANUARY 2005 — NOVEMBER 2013

Online Courses

MySQL, Self-taught

Dart-Flutter, Self-taught

Agile Methodology, IBM

Design thinking Practitioner, IBM

JANUARY 2022 — FEBRUARY 2022

Hackathons

PLP Africa Power Hacks – link

Participated and became 2nd Runners up at a hackathon by PLPAfrica.

The theme was #powerhacks where were supposed to think of an existing problem on the fly and build a solution using computing.

- Built a full mobile app using flutter for an agro-tech idea we named Shamba Fresh where we help farmers know the best crops to farm depending on their types of soil (using soil science) and the weather.
- Leveraged AI using a chatbot API that can give farmers real-time solutions to any problems they might have.
- became 2nd Runners up seniors against 19 other teams.

DECENTRALAND METAVERSE HACKATHON – click here

Participated in the Metaverse Hackathon by Decentraland, a 72-hour event where I led a team of five developers to design and build a multiplayer game in the metaverse.

- Developed games using TypeScript, and the Decentraland SDK
- Designed interactive wearables for users and created 3D models using Blender.
- Implemented a real-time communication system to enable multiplayer gameplay using WebSocket.
- Overcoming technical challenges to deliver a smooth and responsive experience.
- Our team's game won the award for Best Use of Decentraland's SDK and is being featured on Decentraland's official website.

PLP Africa Water Day hackathon

- Participated and won the water day hackathon which was a 5 day virtual hackathon across different participants in Africa.
Built a mobile app using flutter for our project named WabaYetu(our water), where we help people identify safe water drinking areas and water treatment spots within a region.
- I built a website for the project with information about our work and a link to our app.
- My team won the best idea overall and the best mobile project in the hackathon.

Projects

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

Community

- **ReactDevsKe**
- **Google Developers Group Nairobi**
- **NodeJS Nairobi**
- **Young founders' space**

Volunteering

Divisional Superintended - St. John Ambulance.

I am a first Aid instructor and Drill trainer, training St. John Cadets in high school.

I have trained teams that managed to win the national first aid and drill competitions thrice since 2017.

Education Support Volunteer – Ubunifu College.

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

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