



# David Mbugua

SOFTWARE ENGINEER

## Profile

I am an Experienced Software Developer adept in bringing forth expertise in the design, installation, testing, and maintenance of software systems. Proficient in an assortment of technologies, including JavaScript – NodeJS and ReactJS, TypeScript, Python, Dart - Flutter, Firebase Database, MySQL, REST APIs, Postman APIs, and Git source control. Able to effectively self-manage during independent projects and collaborate as part of a productive team. I am naturally curious about tech.

Outside work, I am an adventurous traveler, 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 Consultant and Sales Representative, Salute iWorld, Nairobi

OCTOBER 2020 — OCTOBER 2022

I got a job at **Salute iWorld**, the biggest apple resellers in East Africa-as an Apple consultant and sales representative.

I got inducted to a thorough sales training for 3 months, got evaluated after, and finally got to secure my spot as an official employee in the company.

- I did sales and give apple solutions to my clients.
- Kept track of the company stocks.
- Got promoted to Store manager.
- Won 'Best Employee' 3 times in a very competitive work environment.

### IT and Graphics Design, Salute Holdings LTD, Nairobi

AUGUST 2019 — SEPTEMBER 2020

I got hired by **Salute Holdings LTD** in their HQ in the IT department and also as an assistant Graphics designer.

- Assist IT department head to ensure all point-of sale installations are working as required.
- Resolving technical errors.
- Ensuring all hardware equipment in the branches are working as

## Details

WEBSITE:

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**LinkedIn**

**GitHub**

## Skills

JavaScript | ReactJS | NodeJS |  
TypeScript | Python | HTML5 |  
CSS3 | Dart – Flutter | Firebase  
SQL | REST APIs | Docker |  
Figma | Adobe Illustrator & XD  
| Corel Draw | Agile

## Hobbies

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

## Languages

English

Swahili

needed.

- Escalation for troubleshooting of any problems with the Point-of-sale system.
- Design Billboards, banners, and any marketing material needed using Adobe illustrator, corel draw and photoshop

## Education

### KCPE, Nairobi Primary School, Nairobi

JANUARY 2005 — NOVEMBER 2013

### KCSE, Highway Secondary, Nairobi

FEBRUARY 2014 — DECEMBER 2017

### IT, Zetech University, Nairobi

MAY 2018 — JUNE 2019

Joined Zetech to pursue a diploma in IT

### Coding Bootcamp Certificate, Ubunifu College, Nairobi

MAY 2021 — JUNE 2022

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

## 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 2<sup>nd</sup> Runners up at a hackathon by PLPAfrica.

The theme was #powerhacks where we 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 2<sup>nd</sup> Runners up seniors against 19 other teams.

### DECENTRALAND METAVERSE HACKATHON

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.

## Projects

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

- Twitter Clone – HTML, CSS, Bootstrap, JavaScript, & Firebase
- My portfolio – HTML, CSS, JavaScript & Firebase
- Shamba Fresh – Dart – Flutter
- Security equipment sales website – HTML, CSS, Bootstrap, & JavaScript
- A blog creator website – ReactJS
- Oontztopia (Music event) - ReactJS
- Library management system – JavaScript, NodeJS and electron JS
- Netflix Clone – HTML, CSS, & JavaScript
- Number guessing game - Python
- Rock paper scissors game – Python
- Reminder app – Python
- Hangman game – Python
- Metaverse Hide and seek game – Typescript, and Decentraland's SDK.

## Community

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

## Volunteering

### **Divisional Superintendent - 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.