

Brian Mawira

Software Developer



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📍 Nairobi, Kenya

📅 1997 October 27

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Driven and versatile software engineer with a proven track record in both large corporate environments and dynamic startup settings, offering an extensive background in web and mobile development. With four years of hands-on experience, I possess a deep understanding of cutting-edge technologies and frameworks. From crafting seamless user experiences to optimizing complex back-end systems, my passion lies in creating innovative solutions that exceed expectations. Committed to staying at the forefront of the rapidly evolving tech landscape, I thrive in collaborative teams and excel at translating complex concepts into actionable code. With a keen eye for detail and a relentless drive for excellence, I consistently deliver robust and scalable software solutions that elevate user satisfaction and drive business growth.

📁 PROFESSIONAL EXPERIENCE

2023 – present
Nairobi, Kenya

Kenya Bureau of standards, Systems Developer

As a key contributor within the organization, I spearheaded the development of a highly acclaimed mobile application (KEBS Official App) that revolutionized permit verifications and streamlined internal operations. Leveraging my expertise in mobile development, I designed and implemented the intuitive and robust app that seamlessly integrated with existing systems, enhancing efficiency and accuracy. Additionally, I played an integral role in the development of the widely adopted KEBS KIMS system, a game-changing platform that empowered manufacturers nationwide to effortlessly apply for permits while enabling employees or officers to efficiently review those applications.

2021 July –
2023 February
Nairobi, Kenya

East African Data Handlers, Android Developer

One notable project I played a pivotal role in is a game-changing Financial Management Application, empowering users to effortlessly monitor their income and expenses. Leveraging the power of machine learning, the app intelligently categorizes transactions and unveils insightful financial patterns, helping users gain a deeper understanding of their spending habits. Utilizing a diverse range of technologies, we ensured a seamless user experience. This remarkable application is set to delight both Android and iOS users, providing a comprehensive financial management solution that truly empowers individuals to take control of their financial well-being.

2019 September –
2021 January
Nairobi, Kenya

AleroGroup, Web Developer

As a talented frontend developer, my primary responsibility was to transform wireframes and design mock-ups into fully functional frontend templates using HTML, CSS, and JavaScript. Notably, I played a crucial role in the development of Udia, a comprehensive school management project. This all-inclusive system seamlessly integrated various school activities, allowing students to enroll in courses, access study materials, and review their previous work. Additionally, lecturers could conveniently grade students within the system. With Vue.js and Bootstrap as the CSS library, I skillfully crafted the frontend, ensuring an intuitive and user-friendly interface for an exceptional user experience.

EDUCATION

2016 – 2021
Nairobi, Kenya

Bsc. Computer Science, Jomo Kenyatta University of Agriculture and Technology

In collaboration with a fellow classmate, I embarked on an exciting venture to create a web application dedicated to supporting final and senior year students throughout their project journey. Our primary goal was to streamline the process of finding suitable supervisors by implementing an intelligent matching algorithm. Leveraging this algorithm, students were automatically paired with compatible supervisors from a comprehensive list of lecturers within their respective institutions. Going beyond expectations, we integrated an API that continuously fetched real-time news updates related to technology, ensuring users remained up-to-date with the latest industry developments. This innovative web application revolutionized the project experience for students, providing them with invaluable guidance and a constant influx of relevant information to fuel their success.

SKILLS

Mobile Development (Flutter & Dart) • **Web Development** (HTML, CSS & JavaScript)

Frontend Development (Vuejs + Vuetify, Bootstrap)

Backend Development (NodeJS and Express) • **Relational Databases** (PostgreSQL, MySQL)

NoSQL Databases (MongoDB) • **Version Control Systems** (Git, GitHub & GitLab)

Cloud Computing (Nginx, Apache) • **Agile Software Development Methodologies**

Strong background in Data Structures and Algorithms

PROJECTS

2022 August –
2023 January

Jowam Student Portal

I took on the challenge of designing and developing a robust students portal for Jowam Training Center, which has revolutionized their administrative processes. The portal offers a range of essential functionalities, starting with the seamless addition of students to the system as they enroll in different courses. To ensure transparent financial records, the platform also enables tracking of fee payments for each student, guaranteeing accurate transaction records. Moreover, students have the convenience of enrolling in additional courses through the platform. As for administrative tasks, the portal empowers the admin to activate or deactivate students as they commence or complete their courses. Throughout this project, I expanded my expertise in cloud computing, specifically with DigitalOcean. I successfully deployed the application and set up a virtual Ubuntu server to securely host the platform, exemplifying my proficiency in leveraging cloud-based technologies for efficient and reliable application delivery.

REFERENCES

Paul Gatheru, *Project Manager*, East African Data Handlers
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Peter Langat, *Senior Systems Developer*, Kenya Bureau of Standards
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