



Ian Kamau Mahia

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WORK EXPERIENCE

ICT Network and Infrastructure Intern

Kenyatta University Teaching, Referral & Research Hospital (KUTRRH) [16/05/2022 – 17/08/2022]

City: Nairobi

Country: Kenya

Website: <https://www.kutrrh.go.ke/>

Business or sector: Information and communication

1. Undertook configuration and installation of various network devices and services (e.g., routers, switches).
2. Worked closely with the applications team on the installation of both Windows and Linux operating systems.
3. Assisted in managing the front end and back end of the organization's website.
4. Collaborated with the graphic design team on the creation of staff identification cards, posters, and flyers.

Enumerator

Kenya National Bureau of Statistics [24/08/2019 – 31/08/2019]

City: Nairobi

Country: Kenya

Identified the enumeration area, located the structures, and visited every household

Made callbacks on respondents who could not be interviewed.

Wrote brief notes on the information worth noting

EDUCATION AND TRAINING

Bachelor of Science, Information Technology

Kenyatta University [06/09/2018 – 10/12/2022]

Country: Kenya

Website: <http://www.ku.ac.ke/>

Final grade: Second Class (Lower Division)

1. Software Development: The program provided a solid foundation in software development, including courses in structured programming and Visual Basic. This training has given me a strong grasp of coding and software design principles.
2. Android App Development: I gained valuable insights into Android app development, thanks to courses like Object-Oriented Programming. This knowledge allows me to create applications for the Android platform, catering to a vast user base.
3. Web Development: The curriculum included Web Design, enabling me to understand the intricacies of web development. This skill set is essential for creating and maintaining websites, making information accessible on the internet.

Database Management: I acquired expertise in database management systems and data communications. These courses equipped me with the skills needed to handle and manipulate data efficiently, a crucial aspect of software and web development.

Ethical Considerations: The program emphasized the ethical dimensions of technology, ensuring I approach software development, Android app creation, web design, and database administration with professionalism and integrity.

Problem-Solving Skills: Through this academic journey, I honed my problem-solving abilities, which are essential for addressing challenges in software and database development, and for crafting innovative solutions in these areas.

Kenya Certificate of Secondary Education (KCSE)

Kagumo High School [04/02/2014 – 26/11/2017]

Address: P.O. Box 69 Kiganjo, (Kenya)

Final grade: B+

Kenya Certificate of Primary Education (KCPE)

ACK. ST. James Academy [08/01/2009 – 23/11/2013]

Final grade: A-

DIGITAL SKILLS

Programming Languages

Python Language - Basic knowledge / App development: Flutter & Dart, React & React native, / Java

Web Development

HTML, CMS (Wordpress), Javascript

Databases and API

SQL / Oracle / Mongo DB / Postman / RESTful api

OS and Version Control

linux / Git / github

Office

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access

Cloud

Google Firebase, Oracle Cloud Infrastructure / Dev-OPS

RECOMMENDATIONS

Software Engineer

Name: Brian Irungu

Phone number: (+254) 704121802

He was wonderful at his role as an intern at KUTRRH, showcasing exceptional coding and problem-solving skills.

I strongly recommend Ian for his outstanding contributions and dedication to software development.

Link: <https://www.linkedin.com/in/brian-irungu/>

CompilerTech Engineer

Name: Edwin Muchiri

Phone number: (+254) 721208982

Ian not only listens attentively to client details but also created my website to my liking.

I highly recommend Ian for his exceptional teamwork and unwavering dedication to software development.

Link: <https://www.linkedin.com/in/edwin-muchiri-83190a135/>

Deacon PCEA Kiambu Town Church

Name: Joseph Kiboro

Phone number: (+254) 729280641

I strongly recommend him. He follows instructions and even goes the extra mile.

PROJECTS

Nyimbo Cia Kuinira Ngai (2023) - APP

[10/09/2023 – 10/10/2023]

Technologies Used

Flutter: Cross-platform framework for mobile app development.

Sqflite: Local database for efficient storage and retrieval of hymn data.

Riverpod: State management for maintaining app data and user interactions.

Key Features

Browsable collection of hymns from the "Nyimbo cia Kuinira Ngai" hymn book.

Robust search functionality for finding hymns by title, author, and keyword.

User-friendly navigation and intuitive user interface.

Text customization options, including font size and theme selection.

Favoriting hymns for quick access to frequently used hymns.

Skills Demonstrated

Mobile app development using Flutter for cross-platform compatibility.

Efficient local data storage and retrieval with Sqflite.

Effective state management and app data organization using Riverpod.

UI/UX design for a seamless and user-friendly experience.

Problem-solving and project management skills.

Achievements

The app has received an average of 5 stars reviews from users within the community, demonstrating its usefulness in religious settings. It has gained a steady user base with over 100+ downloads and continues to provide a valuable resource for worshipers.

Link: https://global.app.mi.com/details?lo=ID&la=en_US&id=com.mabansxg.nyimbociangai

Fly Bird

[01/12/2023 – 31/12/2023]

1. Developed a mobile game using Flutter and Flame, showcasing proficiency in cross-platform app development and game design.
2. Integrated Flutter for efficient UI development, ensuring a seamless and user-friendly experience.
3. Employed Flame, a high-performance gaming engine, to create visually stunning graphics and dynamic gameplay elements.
4. Demonstrated versatility by seamlessly combining Flutter's UI capabilities with Flame's gaming engine for an engaging and responsive gaming environment.

Link: https://global.app.mi.com/details?lo=ID&la=en_US&id=com.mabansxg.fly_bird_game

Web Developer | CompilerTech (Client Project)

[10/10/2022 – 18/10/2023]

Created a responsive website for CompilerTech using WordPress and Elementor.

Integrated advanced Elementor Pro features for custom layouts and enhanced functionality.

Optimization and Impact:

Optimized site speed, resulting in a 20% increase in user engagement.

Achieved a 25% boost in traffic within the first month post-launch.

Client Collaboration

Effectively communicated with the client, implementing requested features and ensuring satisfaction.

Project Management

Planned website structure, defined timelines, and ensured timely project delivery.

Problem-Solving and Adaptability

Overcame challenges, including compatibility issues, and adapted to evolving client preferences.

Link: <https://www.compilertech.co.ke/>

VOLUNTEERING

Live Streaming Volunteer at PCEA Kiambu Town Church

[Kiambu, 04/12/2023 – Current]

Technical Assistance

Dedicated volunteer for live streaming church services on Facebook and YouTube platforms.

Platform Management

Proficiently managed the technical aspects of live streaming, ensuring seamless broadcasts.

Audience Engagement

Contributed to enhancing online audience engagement during virtual church services.

Problem-Solving

Addressed technical issues promptly, ensuring uninterrupted live streams.

Collaboration

Worked collaboratively with the church team to create a smooth and professional virtual worship experience.

Link: <https://www.facebook.com/people/PCEA-Kiambu-Town-Church/61554794307461/?mibextid=ZbWKwL>
