

Richard Kabue Karoki

karokirichard522@gmail.com • (254) 748754251 • [linkedin.com/in/richard-karoki-007](https://www.linkedin.com/in/richard-karoki-007) • github.com/richiekaroki

PROFESSIONAL SUMMARY

Software Engineer & UI/UX Designer with expertise in Software development, Data Science, Cloud based solutions and IT Support. Passionate about building scalable applications to optimize user experiences. Experienced in AI, ML, gaming platforms and application development. Seeking to contribute innovative solutions in a dynamic tech-driven environment

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT) | Juja, Kenya

B.Sc. in Computer Technology | Graduated: 2024

- **Relevant Courses:** Data Structures & Algorithms, Software Engineering, Object-Oriented Programming, Database Systems, Software Development

TECHNICAL SKILLS

Programming Languages: JavaScript, Typescript, Python (Django, Flask), HTML, CSS, Dart (Flutter), Java

Frameworks & Tools: Vue.js, React, Next.js, Node.js, Bootstrap-Tailwind CSS, Firebase, MySQL, MongoDB

Version Control & Deployment: Git, GitHub, Docker, CI/CD Pipelines

Software Development Methodologies: Agile, Scrum

Cloud & Backend Services: Firebase, AWS (Basics), RESTful APIs

Operating Systems: Windows, Linux (Ubuntu)

RELEVANT EXPERIENCE

Freelance IT Consultant, Tutor, UI/UX Designer & Software Developer | Remote | 2023 - Present

- Designed and developed web applications for small businesses and startups using Vue.js, React, Next.js, and Django.
- Integrated Firebase and MongoDB for database management and real-time data updates.
- Conducted UI/UX research and usability testing, improving client engagement.
- Worked with clients to implement scalable and maintainable codebases, delivering digital literacy training and programming tutorials.
- Provided support i.e. Troubleshooting hardware & software issues, network set-up and optimization

E-sports Software Engineer Intern | SunTech Business Solutions | Nairobi, KE | June 2022 - December 2022

- **UI/UX Involvement:** Designed and developed the tournament management platform, improving navigation efficiency by 30%.
- Implemented frontend UI components with React and Tailwind CSS, enhancing user experience and accessibility.
- Managed event logistics, player onboarding, and real-time score tracking, ensuring seamless tournament execution.

IT Intern and later IT Support | Nammy International Travel | Nairobi, KE | Feb 2021 – December 2021

- Assisted in designing and developing an internal booking and management system, improving processing time by 20%.
- Conducted usability testing and gathered feedback to refine user experience in internal software.
- Provided IT support and troubleshooting, ensuring seamless system operations.

IT Officer | Mutinda's Gaming Hub | Nairobi, KE | April 2018 – March 2020

- Redesigned customer-facing interfaces to improve navigation and user engagement.
- Assisted in managing IT assets and setting up gaming platforms for enhanced user experience

PROJECTS

Mobile House Recommender System | MACHINE LEARNING PROJECT

- Developed a machine learning-based house recommendation system using Python (Scikit-learn, TensorFlow) for ML algorithms and Flutter (Dart) for mobile development achieving 85% accuracy in predictions.
- Designed an intuitive UI with React.js, enhancing data visualization and user interaction.

Gesture-Controlled Virtual Assistant | Artificial Intelligence Project

- Created an AI Virtual Assistant using OpenCV and Python to track hand gestures and move cursor to enable efficient screen navigation achieving 90% in real-time gesture recognition.
- Presented my project at a university tech fair and got positive feedback.

Sitense Gaming Platform | Tournament Management Dashboard | SUNTECH BUSINESS SOLUTIONS

- Part of team that developed and maintained our tournament management system called Sitense Gaming for onboarding users
- Utilized Unity Gaming Services and platforms like Steamworks, Discord etc. to manage game servers, matchmaking and player analytics for live tournaments.
- Provided technical support for our gaming platforms and issues regarding intergrations

CERTIFICATIONS AND TRAINING

- B.Sc. in Computer Technology | Jomo Kenyatta University of Agriculture and Technology, Juja, KE

LEADERSHIP EXPERIENCE

- Lead Software Developer | Mobile House Recommender System | Jomo Kenyatta University of Agriculture and Technology (JKUAT) | Apr 2023 – December 2023
- Hackathon Participant both at university and online developing innovative solutions.

REFERENCES

Upon Request