Brian Makau

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Professional Summary

Motivated **Front-End Developer** and second-year **BBIT student at JKUAT**, with a strong foundation in **HTML, CSS, JavaScript, and React**. Skilled in building responsive and interactive user interfaces, integrating APIs, and applying modern frameworks. Experienced in full-stack development through hands-on projects including a real-time chat application and a cybersecurity simulation lab. Passionate about **web development, problem-solving, and adapting to new technologies**, with a career goal of becoming a full-stack developer.

Technical Skills

- **Frontend:** HTML5, CSS3, JavaScript (ES6+), React.js, Vite
- **Styling:** Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, Flask (Python)
- **Databases:** MongoDB, Basic SQL
- **Other Tools:** Git & GitHub, Socket.IO (real-time apps), REST APIs
- **Learning Interests:** AI-powered tools for web design, penetration testing basics

Projects

Afritext Chat Application (MERN Full-Stack Project)

- Developed a **WhatsApp-style chat application** with login, signup, and user authentication.
- Integrated **Socket.IO** for real-time messaging and MongoDB for persistent storage.
- Built **React components** for chat UI (ChatList, ChatWindow, MessageInput, Status & Settings pages).
- Created REST APIs for user and message management.
- Organized project with structured folders for backend, frontend, and mobile development.

Flask Ethical Hacking Simulation Lab

- Built a simulated login system for cybersecurity training.
- Implemented **brute-force protection, CAPTCHA, and two-factor authentication**.

- Designed using **HTML, CSS, and JavaScript** on the frontend and **Flask (Python)** for backend logic.
- Used as a lab to practice penetration testing and secure authentication methods.

Personal Portfolio Website *(Ongoing)*

- Portfolio site created with **React** + **Vite** to showcase projects.
- Features **responsive design** and structured navigation.

Education

Bachelor of Business Information Technology (BBIT)
Jomo Kenyatta University of Agriculture and Technology (JKUAT)

- **Second Year (Starting September)**
- Coursework: Programming, Databases, Networking, IT Management, Systems Design.

Soft Skills

- Strong problem-solving and analytical skills
- Effective communication and teamwork
- Quick learner, adaptable to new technologies
- Creative approach to UI/UX design and coding

Certifications & Learning

- **Frontend Masters Roadmap:** HTML, CSS, JavaScript Fundamentals (in progress)
- **MERN Stack Development:** Full-stack project experience with React, Node.js, and MongoDB
- **Cybersecurity Basics:** Penetration testing & authentication security labs
- Self-learning via **Net Ninja crash courses** and structured project-based practice

References

Antony Kisoi 0716796834