

Brian Kipkemoi Cheruiyot

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[GitHub](#) · [Portfolio](#)

Professional Summary

Motivated Computer Science student graduating from Maseno University (November 2025) with a passion for software engineering. Proficient in building scalable web and AI-driven applications using React, JavaScript, Python, and the MERN stack. Experienced in RESTful API design, unit testing, and agile methodologies through freelance projects and an ICT internship. Adept at problem-solving and eager to contribute technical expertise to innovative software development teams.

Education

Bachelor of Science in Computer Science

Maseno University, Kisumu, Kenya

Expected Graduation: November 2025

- **Relevant Coursework:** Software Engineering, Algorithms and Data Structures, System Design, Database Management
- Applied theoretical concepts to practical software development projects.

Experience

Freelance Web Developer

Remote

2023 – Present

Developed and delivered custom web applications for clients using modern frameworks and tools.

- Built responsive applications with the MERN stack and Tailwind CSS, meeting client specifications.
- Collaborated with clients to gather requirements, implement features, and ensure timely project delivery.

ICT Intern, Judiciary Law Courts

Nakuru, Kenya

Jan 2024 – Apr 2024

Supported IT operations and system maintenance in a professional environment.

- Assisted in software installations, application deployment, and system troubleshooting.
- Worked with IT teams to resolve technical issues, improving system reliability and user satisfaction.

Technical Skills

- **Languages:** Java, Python, JavaScript, TypeScript, PHP
- **Frameworks & Libraries:** React, Next.js, Express.js, Laravel, Django
- **Tools:** Git, GitHub, VS Code, LangChain
- **Databases:** MySQL, MongoDB, PostgreSQL, SQL, NoSQL
- **Technologies:** RESTful APIs, Material UI, Tailwind CSS, Shadcn UI, Gemini API, OpenAI GPT
- **Methodologies:** Agile Development, Unit Testing
- **Cloud Platforms:** Google Cloud, AWS (Foundational)

Projects

Actinova AI Tutor

React, Tailwind CSS, LangChain, Gemini API, OpenAI GPT

actinovaaitutor.netlify.app · [GitHub](#)

Developed an AI-powered tutoring platform delivering personalized learning paths and real-time feedback.

- Integrated Gemini and OpenAI GPT APIs via LangChain for dynamic content generation and interactive user queries.
- Designed responsive UI with Tailwind CSS, enhancing user engagement and accessibility.

Edubora Management System

MERN Stack

edubora.netlify.app · [GitHub](https://github.com/briancheruiyot/edubora)

Built a school management system supporting Kenya's CBC and 8-4-4 curricula with secure, role-based access.

- Implemented RESTful APIs and MongoDB for efficient data management and multi-user functionality.
- Optimized backend performance, reducing query response times by 30%.

IB Bank Liberia

MERN Stack, TypeScript, Tailwind CSS

ib-bankliberia.netlify.app · [GitHub](https://github.com/briancheruiyot/ib-bankliberia)

Created a secure online banking platform with user authentication and transaction processing.

- Utilized JWT for robust authentication and improved application load times by 120%.
- Designed intuitive UI with Tailwind CSS, ensuring seamless user experience across devices.

Personal Portfolio Website

React, Tailwind CSS, Framer Motion, TypeScript, Vite

briancheruiyot.netlify.app · [GitHub](https://github.com/briancheruiyot/portfolio)

Designed a responsive portfolio showcasing projects and technical skills.

- Incorporated Framer Motion for interactive animations and Tailwind CSS for modern, clean styling.
- Deployed using Vite for optimized build performance and fast load times.

Additional Information

- Strong foundation in object-oriented programming, responsive design, and software development best practices.
- Enthusiastic about exploring emerging technologies, including AI, IoT, and mobile development.
- Available for full-time software engineering roles in Nairobi, Kenya, starting December 2025.