

# SIMON NJOROGE

Full Stack Developer [MERN stack] | Harvard ALP'24 | Software Engineer @eMobilis | Web Development Mentor @Computer Society of Kirinyaga University | Club President @rotaract Kirinyaga university  
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## Summary

Hi there! I'm Simon Njoroge, a third-year Bachelor of Science in Computer Science student with a passion for building scalable, user-friendly web applications. With over a year of hands-on experience in full-stack development, I specialize in technologies like React.js, TypeScript, Node.js, and PostgreSQL. Currently, I'm honing my skills through a fully funded eMobilis Web Development Scholarship (Cohort Four), where I'm deep-diving into advanced web development concepts. I'm also an Aspire Institute Fellow, expanding my professional and leadership competencies. Leadership & Community Engagement Beyond coding, I wear multiple hats: President of the Rotaract Club of Kirinyaga University, Website Coordinator for the Kirinyaga University Christian Union and Uniport Loans Students Ambassador. My leadership roles have taught me the value of collaboration, effective communication, and giving back to the community through impactful initiatives. Hobbies When I'm not coding, you can find me reading novels, swimming, or exploring new places. I believe in continuous learning and pushing boundaries to create meaningful solutions.

## Experience

### Computer Society of Kirinyaga

Kutus, Kenya

#### Mentor

09/2024 - Present

As part of the Computer Society of Kirinyaga University, I lead a mentorship program designed to empower aspiring tech enthusiasts and nurture the next generation of innovators. Through this initiative, I aim to inspire and support students in unlocking their potential and achieving their dreams in the tech world. Together, we're building a vibrant community of future-ready innovators at Kirinyaga University.

- **Technical Skills Development:** Providing guidance in areas like web development, programming, and advanced technologies to help mentees excel in their academic and professional pursuits.
- **Career Growth:** Sharing insights on industry trends, interview preparation, and networking to equip mentees with the tools to navigate the tech landscape successfully.
- **Collaborative Learning:** Encouraging teamwork and knowledge sharing through group projects, coding challenges, and peer-led workshops.
- **Leadership Building:** Helping mentees develop soft skills, including communication, problem-solving, and time management, to become well-rounded professionals.

### TEACH2GIVE

Nyeri, Kenya

#### Web Developer Trainee

05/2024 - 08/2024

During my attachment at Teach2Give, I gained hands-on experience in Full-Stack Web Development, where I was involved in designing, developing, and maintaining web applications. This attachment helped me develop strong technical skills, expand my understanding of full-stack development, and contribute to building solutions that positively impact users.

- **Front-End Development:** Creating responsive and user-friendly interfaces using technologies like react.js HTML, CSS, and JavaScript.
- **Back-End Development:** Building and managing server-side logic and databases with Node.js, hono.js, and MongoDB.
- **Integration:** Ensuring seamless integration of front-end and back-end components for a fully functional user experience.
- **Problem-Solving:** Collaborating with the team to troubleshoot issues and optimize application performance.

### Kirinyaga University

Kirinyaga

#### Full stack Web Developer

01/2024-03/2024

Kirinyaga University Chrisitan Union

- Developed the website using react 18
- Enabled cu members to create account and sign in
- Enabled the admin to perform CRUD operations

### Kirinyaga Uni

Kirinyaga

#### Rac Kirinyaga Uni WebApp

01/2020 - 01/2020

Company Description

- Build a rack kyu website using react 18
- Use context API to centralize the state of the entire project to improve maintainability and readability of the codebase
- Utilize reacts redux query toolkit to manage data throughout the entire project

## Experience

Kirinyaga University	Kirinyaga
Restaurant API	01/2020 - 01/2020
Company Description	
<ul style="list-style-type: none"><li>Build a restaurant API using Hono JS and Drizzle ORM</li><li>Performed the CRUD operation</li><li>Required user and admin authorization to access the data</li></ul>	

## Education

Kirinyaga University	
Degree and Field of Study	09/2022 - ongoing
Aspire Institute	
Professional Development, professional Development	09/2024 - 11/2024

## Languages

English	Advanced	●●●●●	French	Advanced	●●●●●	Swahili	Advanced	●●●●●
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## Training / Courses

Computer Science

## Projects

Rotaract Kirinyaga University Club Website	Kirinyaga
	11/2024 - 01/2025

The Rotaract Kirinyaga University Club Website is a comprehensive platform designed to showcase the vibrant activities, events, and initiatives of the Rotaract Club of Kirinyaga University.

Built with modern web technologies, the website delivers a user-friendly experience while maintaining a professional and visually appealing design.

Frontend:  
Developed with React.js for a dynamic and responsive user interface.  
Styled using Tailwind CSS and Super CSS, ensuring a visually appealing and consistent design across all devices.

Backend:  
Powered by Django, a robust and secure framework for seamless server-side functionality.  
Database management with PostgreSQL, providing efficient and reliable data storage.

Key Features:  
Events Calendar: Stay updated on upcoming events and activities.  
Membership Registration: Simplified onboarding for new members.  
Donation Portal: Secure and easy-to-use platform for community contributions.  
Blog Section: Highlighting the impact stories and updates from the club.

This project reflects the spirit of service and innovation that defines the Rotaract Club of Kirinyaga University while leveraging cutting-edge technology to enhance accessibility and engagement.

## Projects

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Safaricom stk\_push

Kirinyaga  
11/2024 - 11/2024

I developed a web application that integrates with Safaricom's STK Push API to facilitate seamless mobile payments. This project aimed to provide users with a secure, reliable, and user-friendly way to make payments directly from their mobile phones via the Safaricom Paybill system.

Key features of the project include:

- STK Push Integration: Enabling users to initiate payments through Safaricom's STK Push service, allowing for an easy and secure transaction process.
  - API Development: Built a RESTful API to handle payment requests, ensuring smooth communication between the web application and Safaricom's payment system.
  - User Authentication: Implemented robust authentication to secure user transactions and protect sensitive data.
  - Real-Time Payment Updates: Providing users with real-time feedback on their payment status, enhancing the user experience.
- This project improved my skills in API integration, payment gateway development, and handling real-time data in web applications. You can check it out [here](#).

## Skills

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Databases · Money Transfers · Front-End Development · Back-End Web Development · Communication · Hono.js · Node.js · Software Development · AngularJS · Leadership · Teamwork · Time Management · Networking · Code Refactoring · University Teaching · Redesigning · Restaurant Operations · Full-Stack Development · React.js · Computer Science