

THUO SARAH WAIRIMU

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PROFESSIONAL SUMMARY

Motivated and detail-oriented **Full-Stack Developer** with expertise in **Node.js, TypeScript, and JavaScript**. Currently pursuing a **BSc. in Business Information Technology** at **Dedan Kimathi University of Science and Technology** (2022 – 2026). Passionate about building efficient, scalable backend systems and contributing to innovative tech solutions. Experienced in **software development, data analysis, and system architecture**, with strong teamwork and problem-solving skills.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Node.js
 - **Backend Development:** Express.js, REST APIs, Database Design (SQL, MongoDB)
 - **Frontend Technologies:** React.js, HTML, CSS
 - **Version Control & Collaboration:** Git, GitHub, Agile methodologies
 - **Networking & Security:** CISCO Networking, API Security, Authentication
 - **Project Management:** Research, Analysis, and Documentation
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EXPERIENCE

Full-Stack Developer | Teach2Give (2024 – Present)

- Developed and maintained **Node.js and TypeScript** applications, improving system performance and scalability.
 - Designed and implemented **RESTful APIs** to enhance data flow and backend efficiency.
 - Collaborated with a cross-functional team to build and deploy **real-world projects** in a dynamic environment.
 - Integrated authentication mechanisms to ensure **secure user access** and data protection.
 - Utilized Git and Agile methodologies to manage version control and streamline project workflows.
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EDUCATION

Dedan Kimathi University of Science and Technology

BSc. Business Information Technology (In Progress) | 2022 – 2026

Mary Leakey Girls' High School

2018 – 2022

PROJECTS & ACHIEVEMENTS

- **Built a Backend API for User Authentication:** Developed a **secure authentication system** using **Node.js, Express, and JWT**, enhancing system security.
 - **Developed a Real-Time Chat App:** Integrated **WebSockets** for real-time communication, boosting engagement and efficiency.
 - **Implemented an IoT Dashboard:** Connected IoT devices with a **Node.js backend**, providing real-time data visualization for smart applications.
 - <https://github.com/sarah98-bit/FULLSTACK-QA-QE>
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CERTIFICATIONS & TRAINING

- **CISCO Networking Fundamentals**
 - **Software Development Best Practices**
 - **Agile & Scrum Methodologies**
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HOBBIES & INTERESTS

- Exploring emerging technologies and innovations in IT
- Playing **volleyball and softball** – enhancing teamwork and strategic thinking
- Researching **business and technology trends** to improve tech-driven solutions