

NDUNG’U JAMES NG’ANG’A

Software Engineer | TVET Trainer

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Summary

Passionate about leveraging technology to solve real-world problems and create impactful solutions. Driven by a love for learning and applying innovative technologies.

Skills

Frontend Development: HTML, CSS, Tailwind, JavaScript, React.

Backend Development: ExpressJS/NodeJS, Python.

Database: SQL Language, MsSQL Server & SSMS, MongoDB.

Version Control: Git and GitHub

Soft Skills: Problem Solving, Team play, Communication, Training

Technical Experience

Full-stack Software Engineer

2023 - Present

Self

- Developed a fully functional **event booking web application** using **React**, **NodeJS**, and **MongoDB**, providing seamless booking for over 50+ test users.
- Designed and implemented an **e-commerce site** with full cart functionality using **React** and **MongoDB**, ensuring a responsive and user-friendly experience.

TVET Trainer - ICT

2024 - Present

Thika Technical Training Institute

- Conducted hands-on training for **150+ students per semester** in core ICT topics i.e. **relational databases** and **computer networking**, improving their practical problem-solving skills by 30% (measured via assessments).
- Designed tailored coursework and assessments, leading to an increase in course completion rates by 25%.

Projects

Xirion Africa

- E-commerce website** with dynamic shopping cart functionality, developed using **React**, **NodeJS**, **MongoDB**, and **Tailwind CSS**.
- Includes product filtering, cart management, and responsive design.
- Live link - <https://xirion-africa.vercel.app>

Tiketa

- Event management app** with ticket booking functionality built using **React**, **NodeJS**, **MongoDB**, and **Tailwind CSS**.
- Features include user authentication, event creation, and ticket purchase with Mpesa integration.
- Live link - <https://tiketa.vercel.app>

Education

BSc. Computer Security and Forensics

2018

Jaramogi Oginga Odinga University of Science and Technology

Certification - Software Engineering

2023

Moringa School