

James Muriithi Thuranira

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Profile

Final-year **BSc Information Technology student** with hands-on experience in **full-stack development (React, Node.js, Express, MongoDB/MySQL)** and **blockchain (Solidity, Web3.js)**. Experienced in building real-world applications through projects and professional attachment at the **African Academy of Sciences**. Passionate about **fintech, blockchain, and scalable web applications** that solve real-world problems.

Technical Skills

Languages: JavaScript (ES6+), Python, PHP, Solidity

Frameworks & Libraries: ReactJS, Next.js, Node.js, Express, Web3.js

Databases: MongoDB, MySQL

Tools & Platforms: Git/GitHub, MetaMask, Remix IDE, Vercel, Postman

Soft Skills: Problem-solving, Communication, Teamwork, Adaptability, Time Management

Experience

African Academy of Sciences (AAS) – Software Development Intern (2025)

- Enhanced the **Fellows Portal** frontend using React, Blade templates, and custom CSS.
- Integrated APIs for dynamic news and governing council members.
- Improved UI/UX, responsiveness, and optimized navigation & layout.
- Contributed to backend fixes and Laravel 8 → 9 upgrade.
- Collaborated with senior developer on debugging, onboarding, and code reviews.

Projects

DawaSphere – Blockchain Healthcare Platform (Ongoing)

Next.js | Solidity | Web3 | Tailwind

- Developing a blockchain-powered healthcare marketplace for secure, transparent access.

■ dawa-sphere.vercel.app

DApp Smart Contract + React Frontend

Solidity | ReactJS | Web3.js

- Designed & deployed Ethereum smart contract on testnet.
- Integrated Web3.js with React frontend; added loaders & error-handling.

■ [GitHub](#)

Mortuary Management System (Final-Year Project)

MERN Stack

- Automated system for bookings, inventory, and reporting.
- Implemented role-based access control (RBAC) and form validation.

■ [GitHub](#)

AgriLink – Smart Farmer Marketplace (Ongoing)

Next.js | Web3 | MongoDB

- Platform connecting farmers directly to buyers with real-time pricing.

Education

KCA University – BSc Information Technology (2021 – 2025 expected)

St Pius X Seminary – KCSE (2017 – 2021)

References

Available upon request.