

MOSES MUIRURI NJAU

Nairobi, Kenya | njauamoses83@gmail.com | LinkedIn | GitHub

PROFESSIONAL SUMMARY

Frontend-focused Software Engineer specializing in scalable UI architecture, component-driven development, and data-heavy dashboards. Expert in building responsive, product-focused web and mobile applications using React.js, Next.js, Angular, and Flutter. Adept at translating complex IoT sensor data and machine learning analytics into intuitive, real-time visualizations and seamless user experiences. Proven track record of owning the frontend engineering lifecycle from API integration and robust state management to performance optimization for fintech, agri-tech, and community-driven platforms.

TECHNICAL SKILLS

Programming Languages:	JavaScript, TypeScript, Dart, Python, HTML5/CSS3
Frontend Technologies:	React.js, Next.js, Angular, Flutter, Tailwind CSS, Progressive Web Apps (PWA)
State Management:	Redux, Context API, Provider (Flutter), Zustand
UI/UX & Design Systems:	Component Architecture, High-Fidelity Prototyping, Responsive Design, Accessibility (a11y)
Backend & APIs:	RESTful APIs, GraphQL, FastAPI, Node.js
Databases:	PostgreSQL, MySQL, MongoDB
Cloud & DevOps:	Vercel, Docker, CI/CD, AWS, Ubuntu VPS
Tools & Platforms:	Webpack, Vite, Git, Figma

PROFESSIONAL EXPERIENCE

EI Desierto Investment Company Limited | Frontend Developer | Nairobi, Kenya April 2026 - Present

- Architected the frontend interface and modular component system for a dynamic digital matching platform, engineering seamless user engagement logic and interactive profile detail views.
- Integrated robust authentication workflows and backend matching architecture to support real-time user interactions, ensuring a scalable and highly responsive user experience.

Migmappers Limited | Mobile & Frontend Engineer | Nairobi, Kenya Dec 2025 - May 2026

- Engineered the InStay property management mobile application using Flutter, building scalable UI components to streamline tenant onboarding and field-engineering workflows.
- Developed high-fidelity, minimalist mobile dashboards for landlord analytics, integrating seamless M-Pesa payment gateways and localized GIS mapping for Nairobi wards.
- Optimized mobile application state management and rendering performance, significantly accelerating user adoption through improved accessibility and rapid load times.

Flashcredit Africa | Frontend Software Engineer | Nairobi, Kenya Dec 2025 - May 2026

- Architected scalable frontend systems for a digital lending platform using Next.js and React, enabling high-volume loan originations and investor operations.
- Designed and implemented interactive financial dashboards, integrating complex API endpoints to visualize automated interest accrual and repayment reporting in real time.
- Established robust role-based access control (RBAC) interfaces and optimized component rendering, ensuring a secure, maintainable frontend architecture free of technical debt.

- Developed dynamic, React-based analytics dashboards featuring real-time KPI visualization to monitor secure Stripe and PayPal payment infrastructure.
- Optimized frontend data consumption and API response handling in collaboration with backend optimizations, contributing to a 40% reduction in data query latency.
- Built intuitive interfaces for event-driven email automation workflows, improving overall user experience and reducing operational support tickets by 60%.

Social Robotics Lab, JKUAT | UI/ML Integration Engineer | Juja, Kenya

Jun 2025 - Oct 2025

- Engineered responsive Android client interfaces using Kotlin and Jetpack Compose, bridging complex NLP backend pipelines into intuitive robotic user experiences.
- Optimized frontend processing logic for offline-first capabilities, ensuring seamless interactions and low-latency processing in resource-constrained environments.

PROJECTS

Smart Nyuki | Founder & Lead Frontend Engineer

Nov 2024 - Present

- Architected a scalable Progressive Web Application (PWA) and React with Material UI dashboard with robust offline capabilities, enabling rural farmers to access critical predictive analytics and IoT sensor data without active internet connectivity.
- Designed intuitive data visualization components to interpret PyTorch ML models, reducing simulated colony losses by 34% through actionable, user-friendly alerts.
- Led end-to-end product engineering with a strict focus on user experience and responsive design, earning Top 4 National Innovation Recognition from the Kenyan Ministry of ICT.

JKUAT-CU Contribution Tracker | Frontend Developer

Feb 2025 - Mar 2026

- Developed a dynamic fundraising web application using React, integrating M-Pesa APIs to facilitate transparent campaign management and real-time donation tracking.
- Engineered responsive progress dashboards with robust state management, improving visual feedback for users and streamlining organizational reporting workflows.

JKUEL Connect Hub | Frontend Architect

Feb 2024 - Nov 2024

- Architected a scalable web platform using React for the Equity Leaders community, supporting seamless event registration, blog publishing, and alumni engagement interfaces.
- Implemented reusable UI components and secure authentication workflows, enhancing the overall user experience and platform maintainability.

LEADERSHIP & INNOVATION

- **Millennium Fellowship (UN Academic Impact):** Completed rigorous leadership development program focused on sustainable community impact and technology (2025).
- **Google Developer Student Clubs:** Served as IoT & Automation Lead, mentoring 150+ students through hands-on embedded systems bootcamps and applied software engineering workshops (2025).
- **Equity TechHub:** Vice President driving technical initiatives, coordinating developer mentorship, and fostering university-industry partnerships for 400+ alumni (Nov 2024 - Dec 2025).

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT) | Juja, Kenya

Expected Aug 2026

Bachelor of Science, Computer Science

- **Academic Standing:** GPA: 2.8/4.0 (71% Average)
- **Coursework:** User Interface Architectures, Distributed Systems, Data Structures

Njabini Boys High School | Kenya Certificate of Secondary Education (KCSE)

2022

- **Achievement:** Mean Grade A (83/84 points)

CERTIFICATIONS & AWARDS

- **Awards:** Top 4 National Innovation Recognition (Smart Nyuki) | HICOOL Global Entrepreneurship Qualifier
- **Certifications:** ALX Software Engineering Programme (Frontend) | IBM SkillsBuild Data Fundamentals