



Brian Komba

SOFTWARE ENGINEER & IT CONSULTANT

ABOUT ME

I am a hands-on developer and analytical problem-solver who thrives at the intersection of robust backend logic, systems architecture, and intuitive, minimalist UI/UX design. I bring a deliberate, structured approach to engineering performant and secure software setups.

CONTACT

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SKILLS PROFILE

SOFTWARE ENGINEERING

- Node.js & Laravel
- PostgreSQL & MongoDB
- Next.js Framework
- RESTful API Architecture

SYSTEMS & DESIGN

- Three.js 3D Layout Mechanics
- Minimalist Interface Design
- Canva Layout Graphics

EDUCATION

2021 – 2025

- Diploma in Computer Science & Engineering — St. Joseph College of Engineering & Technology

2017 – 2020

- Secondary Studies — Mtakuja Beach Secondary School

LANGUAGES

- Swahili (Native)
- English (Fluent)

PROFESSIONAL EXPERIENCE

March 2026 – Present

ICT CONSULTANT

Lyson Law Group

- Advising on strategic technological roadmaps, corporate database structures, and platform security alignments.
- Spearheading the end-to-end web infrastructure transition from legacy frameworks to a dedicated Node.js and PostgreSQL environment.
- Implementing clean, interactive 3D assets alongside functional digital record architectures to safeguard data compliance parameters.

October 2025 – March 2026

IT SUPPORT

St. Joseph University in Tanzania – College of Health and Allied Sciences

- Managed and updated Virtual Campus Systems to ensure seamless student information management and administrative workflows.
- Configured and maintained Local Area Network (LAN) connections across campus facilities to preserve network uptime.
- Executed hardware servicing, software maintenance, and immediate troubleshooting protocols for university staff and computer systems.

2024

FREELANCE IT SPECIALIST

Self-Employed / Independent Consultant

- Consulted on custom full-stack web architectures developed using modern application logic, Laravel, and Node.js components.
- Built and designed promotional layouts and sleek web portals utilizing custom graphic platforms and Canva.
- Provided technical hardware diagnostic evaluations and localized network optimization adjustments directly to clients.

2023

IT INTERN

TTCL (Tanzania Telecommunications Corporation)

- Assisted in the deployment, splicing, and termination of fiber optic cables to ensure high-speed data transmission.
- Diagnosed and repaired physical layer network infrastructure faults and resolved connectivity bottlenecks.
- Collaborated with senior network engineers to configure and monitor local network topologies.

METHODOLOGIES

- Systems Troubleshooting
- Database Optimization
- Corporate Technical Research
- Infrastructure Security
- Computer Servicing & Repair
- Basic Network Configuration

CORE STRENGTHS

- End-to-end systems thinking
- Clean, minimalist UI delivery
- Backend performance tuning
- Rapid technical research
- Client-facing communication

TOOLS

- Git & GitHub
- VS Code
- Postman
- Figma & Canva
- Linux CLI

INTERESTS

- System architecture & design patterns
- 3D web experiences
- Reading technical books
- Open-source contribution

EXPERIENCE (CONTINUED)

2022

IT INTERN

TANESCO (Tanzania Electric Supply Company)

- Installed, aligned, and integrated commercial CCTV surveillance systems to maximize property security coverage.
- Performed preventative and corrective hardware maintenance on corporate workstations, servers, and peripherals.
- Identified system vulnerabilities, executed software updates, and provided end-user hardware troubleshooting support.

ENGINEERING PROJECTS

2024 – 2025

AUTONOMOUS CONFERENCE TRANSLATION SYSTEM

COLLEGE CAPSTONE ENGINEERING PROJECT

- Engineered a real-time speech translation architecture designed to autonomously capture, translate, and broadcast live audio streams across conference terminals.
- Developed the low-latency processing backend using Node.js pipelines to stream data synchronously across connected distributed instances.
- Designed a high-performance minimalist interface to show contextual dual-language text transcriptions efficiently without presentation lag.

Nov 2025 – Present

CLOCKGATE

PRODUCTION SOFTWARE ARCHITECTURE

- Developed a comprehensive, lightweight system dedicated entirely to absolute worker attendance tracking, audit logs, and internal leave schema management.
- Engineered the core database structural mechanics and background logic from scratch using a distraction-free user interface layout.

March 2026

BARIDI-LINK

SUPPLY CHAIN LOGISTICS BLUEPRINT

- Authored complete systems design models, complex cold-chain transaction tracking diagrams, and technical definitions for an IoT-enabled logistics platform.
- Optimized physical telemetry data pathways tailored specifically to preserve temperature control states and minimize regional distribution line leaks.