

SOSTEN CHEPKWONY

✉ sostenchepkwony6@gmail.com ☎ 0796412410 📍 Ruiru, Nairobi, Kenya 🔗 sosten.netlify.app
🌐 linkedin.com/in/sosten-chepkwony-48a62428b

Professional Summary

Motivated 4th-year Software Engineering student at Zetech University with strong hands-on experience in full-stack development and AI-powered applications. Passionate about building scalable, user-centric digital solutions that solve real-world problems. Successfully developed FundiConnect, an AI-driven marketplace connecting clients with tradespeople, and BioTracker, a multimodal AI system for wildlife species identification. Proficient in React, TypeScript, Supabase, Node.js, and modern AI tools (GPT-4o-mini & Google Gemini). Seeking opportunities to contribute as a Junior Full-Stack or AI Engineer.

Professional Experience

Freelance Full-Stack Developer, <i>Independent Projects</i>	01/2023 – Present Nairobi, Kenya
- Designed and developed FundiConnect and BioTracker — complete AI-powered web platforms from concept to deployment. - Built and deployed SmartChain Tracker, a multi-chain cryptocurrency analytics Telegram bot. - Conducted large-scale data analysis on a 36GB Polymarket dataset using Python and Pandas to extract trading patterns and insights. - Developed multiple client websites, managing the full development lifecycle including requirements gathering, UI/UX design, backend integration, and deployment. - Optimized application performance, achieving up to 30% faster load times through efficient code and resource management. - Applied security best practices and proper documentation for maintainable, scalable solutions.	

Education

Bachelor of Science in Software Engineering, <i>Zetech University, Ruiru Campus</i>	11/2027 Nairobi, Kenya
- Expected Graduation: November 2027 (4th Year) - Relevant Coursework: Full-Stack Programming, Database Systems, Software Design Patterns, Algorithms & Data Structures, Mobile App Development, Web Technologies.	

Skills and Technologies

Frontend React.js (TypeScript), Tailwind CSS, Bootstrap, HTML5, CSS3, JavaScript.	Backend Node.js, Python, Java.
Databases PostgreSQL, MySQL, Supabase, Firebase.	AI & ML Google Gemini 1.5 Flash, OpenAI GPT-4o-mini, Multimodal AI.
Tools & Others Git, n8n, TanStack Query, Zod, RESTful APIs, Web3, Figma, Netlify, VS Code	

Soft Skills and Languages

Soft Skills

Problem Solving, Team Collaboration, Communication, Adaptability, Time Management

Languages

English (Fluent), Swahili (Native)

Projects

SmartChain Tracker, *Multi-Chain Telegram Bot*

Async Telegram bot for real-time wallet and token tracking across Ethereum, Solana, Base, and BSC with ROI scoring and whale alerts.

- Implemented multi-chain Web3 integration and automated performance analytics.
- Built persistent tracking using PostgreSQL and SQLAlchemy. Technologies: Python, aiogram, PostgreSQL, Web3 APIs, Async I/O Outcome: Delivered scalable architecture with proactive alerts that enhance trading decision-making.
- link: https://t.me/smartchain_tracker_bot 

FundiConnect, *AI-Powered Tradesperson Marketplace*

Full-stack platform connecting Kenyan clients with verified fundis (plumbers, electricians, etc.) using AI-driven matching, real-time tracking, payments, and dispute resolution.

- Built AI reasoning system with GPT-4o-mini for smart job matching and trust scoring.
- Implemented real-time features using Supabase Realtime, auth, and edge functions.
- Designed automated workflows with n8n for job management and escrow payments. Technologies: React (TypeScript), Supabase, Tailwind CSS, n8n, GPT-4o-mini, Zod, Lucide React Outcome: Created a scalable event-driven system capable of supporting 100–5,000 users with minimal manual intervention.

link: <https://fundi-connect.netlify.app/> 

BioTracker, *AI-Powered Wildlife Observation Platform*

Citizen-science web application for automated species identification and biodiversity tracking in Kenya using multimodal AI.

- Integrated Google Gemini 1.5 Flash for real-time image analysis and species identification.
- Built secure user authentication, photo upload, and data aggregation with Row Level Security.
- Added educational feedback and confidence scoring for better user engagement. Technologies: React (TypeScript), Supabase (PostgreSQL), Google Gemini, OpenAI GPT, Tailwind CSS, TanStack Query Outcome: Significantly reduced identification time from hours to seconds while building a valuable biodiversity database for conservation.

Link: <https://bio-tracker.netlify.app/> 

Personal Portfolio Website

Responsive personal site showcasing projects with interactive elements, authentication, and real-time features. Technologies: React.js, CSS3, JavaScript, Supabase, Netlify. Outcome: Live, professional deployment receiving positive feedback from peers and mentors.

Link: sosten.netlify.app 

Additional Information

Volunteer Experience

Actively contribute to open-source projects on GitHub and mentor first-year students in coding clubs at Zetech University.

Interests

AI integration in web applications, blockchain technology, competitive programming, and open-source development.