Andrew Awuor Osindo

Software Engineer (Go & Full-Stack)

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[LinkedIn](#) | [GitHub](#)

SUMMARY

Mission-driven Software Engineer with a strong foundation in **Go (Golang)** and **Modern Web Technologies**. Proven track record in developing high-performance, scalable backend services and intuitive frontend interfaces. Expert in building robust RESTful APIs, implementing **Test-Driven Development (TDD)**, and leveraging **Docker/AWS** for cloud deployments. Transitioned from a health technology background to full-stack engineering, bringing a unique focus on data integrity, system reliability, and solving complex architectural challenges in distributed environments.

TECHNICAL SKILLS

Languages & Backend: Go (Golang), Python, Django, RESTful APIs, GraphQL, SQL (PostgreSQL)

Frontend & Web: React, Next.js, TypeScript, Tailwind CSS, Modern JavaScript (ES6+), HTML5/CSS3

DevOps & Infrastructure: Docker, AWS (EC2), CI/CD Pipelines, Git/GitHub, Linux/Unix Shell

Practices: Test-Driven Development (TDD), Microservices Architecture, Code Review, Performance Benchmarking, Agile Methodologies

EXPERIENCE

Go Developer (Contractor)

Technoprise Global | Sep 2025 - Present

- **Backend Engineering:** Architected and maintained scalable backend microservices using **Go**, prioritizing low latency and high concurrency handling.
- **API Design:** Designed and documented robust REST APIs for high-volume data processing, ensuring secure communication between distributed systems.
- **Cloud & DevOps:** Optimized **Docker** containerization strategies and integrated CI/CD workflows, reducing deployment cycles and improving production stability.

Apprentice Software Developer

Zone01 Kisumu | March 2024 - Present

- **Full-Stack Systems:** Built and deployed complex applications using **Go for backend logic** and **React for dynamic web interfaces**.
- **Reliability Engineering:** Applied strict **TDD** principles to achieve high test coverage,

ensuring code quality and long-term maintainability of core services.

- **Infrastructure:** Managed the full lifecycle of applications from local development to cloud hosting on **AWS**, focusing on security and resource optimization.

Frontend Developer (Contract)

Bongohub | April 2025 - December 2025

- **Web Performance:** Led the migration of key modules to a **Next.js/TypeScript** stack, improving SEO and initial load speeds by 30%.
- **State & Data:** Managed complex client-side state logic and integrated with backend services to provide a seamless, real-time user experience.

Frontend Developer (Consultant)

Chichwa Project - UNDP Food Surveillance | Aug 2025 - December 2025

- **Data Visualization:** Engineered real-time dashboards for food surveillance data using **TypeScript**, ensuring accessibility for users in low-bandwidth environments.
- **Full-Stack Collaboration:** Worked closely with backend teams to optimize API response formats, reducing payload sizes for improved mobile performance.

EDUCATION

Diploma in Health (Information Technology focus) Kenya Medical Training College | 2019 - 2023

Designing and Deploying Computer Networks Internet Society | 2025

KEY PROJECTS

Social Network Platform: Architected a modern, feature-rich platform using a **Next.js** frontend, an **Electron** desktop application, and a **Go backend**. Implemented real-time communications, group management logic, and comprehensive social features, demonstrating the ability to manage complex state and cross-platform data synchronization.

HEAL – SGBV Reporting Platform: Developed a digital reporting platform to support survivors of sexual and gender-based violence. Enabled access to nearby hospitals and police stations through **location-based services**. Prioritized privacy, ethical design, and survivor-centered UX.

Chama Trust Wallet (Stellar-based): Built a React frontend with reusable components and structured state management. Integrated a **Go backend** with **Soroban smart contracts** for community savings, withdrawals, and balance tracking.

Task-Manager API (Go): Developed a simple and efficient **RESTful API** for managing tasks using Go. Designed and implemented endpoints for full **CRUD operations**, focusing on clean code and efficient request handling.

REFEREES

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