TACHERA W. SASI

Software Engineer

Dar es Salaam, Tanzania · +255 686 477 074 · tacherasasi@gmail.com · Portfolio · GitHub

PROFESSIONAL SUMMARY

Systems-focused software engineer building developer platforms, infrastructure tooling, high-performance applications, APIs, and self-hosted systems. Creator of VintLang, BeamDrop, and a growing portfolio of production and open-source developer tools.

CORE SKILLS

Languages: Go, Rust, Zig, TypeScript, JavaScript, PHP, Python, Java, C, C++, VintLang
Backend: NestJS, Laravel, Django, Gin, Echo, Fiber, spring boot
Frontend / Mobile: React, Next.js, React Native (Expo), Svelte
Data: PostgreSQL, MySQL, MariaDB, SQLite, Redis
Infrastructure: Docker, Compose, Kubernetes, Nginx, Caddy, CI/CD
Developer Tools: Git, NeoVim, Zed, Arch Linux

PROFESSIONAL EXPERIENCE

AkiliSoft Limited | Golang Backend Engineer | 2026 · Dar es Salaam, Tanzania ERP DigiWakala

- Building reliable and robust backend systems with Go.
- Building and maintaining AkiliSoft ERP and DigiWakala, business platforms serving POS, inventory, customer, sales, and float-management workflows.

AkiliSoft Limited | Mobile Engineer | 2026 · Dar es Salaam, Tanzania Google Play App Store

- Led development of cross-platform mobile applications using React Native and TypeScript.
- Designed scalable API integrations with REST and GraphQL services.
- Introduced improved development workflows and code review processes for engineering teams.
- Delivered responsive and high-performance mobile UI used in production environments.

508.dev | Software Engineer · Active Member | 2025 · Remote (NYC based co-op) 508.dev

- Selected as a member of an engineer-owned global engineering co-op connecting engineers with software development projects.
- Contributed to client engineering work as a backend software engineer.

iPF Softwares | Backend Engineer | 2025 · Dar es Salaam, Tanzania

- Architected and implemented scalable backend systems handling 10,000+ monthly active users, making key decisions on system design, performance tradeoffs, and infrastructure reliability.
- Developed APIs using Go, NestJS, Spring boot and Laravel powering mobile and web applications for multiple enterprise clients including **CRBD(imbeju),EXIM,ABSA,ECOBANK, AZAM MEDIA** and more.
- Managed PostgreSQL, MySQL, and Redis infrastructure handling millions of daily transactions.
- Improved CI/CD deployment pipelines, reducing release time by approximately 80%.

Bantu Soko | Mobile Engineer · External Contractor | 2024 · Dar es Salaam, Tanzania Bantu Driver App

- Worked as an external contractor on the Bantu driver mobile application.
- Built and integrated production mobile workflows using React Native and TypeScript.

Ekilie | Founder & Lead Software Engineer · Open Source Ecosystem | 2021 - Present Ekilie Ekilie Cloud

- Founded and architected the Ekilie open-source software ecosystem focused on developer infrastructure, self-hosted software, and developer tooling.
- Design and build production systems using Go, TypeScript, PHP, Python, Rust, and Zig.
- Architect backend services, APIs, real-time systems, deployment infrastructure, storage systems, and developer-facing platforms.
- Lead technical direction, architecture decisions, infrastructure design, and product engineering across the ecosystem.

POPULAR PROJECTS

BeamDrop & BeamDrop Cloud GitHub

Self-hosted file storage and S3-compatible infrastructure with a SaaS control plane for orchestration, billing, quotas, and instance lifecycle management.

VintLang GitHub

Feature-rich programming language built with Go for web development, data processing, automation, and developer productivity.

Ellie GitHub
Terminal-based local AI and system-management assistant built with Go and Rust for automation and developer workflows.

GooferORM Website
Production-oriented high-performance ORM for Go backend services.

Transliflow Live
AI-assisted collaborative translation platform built with TypeScript and Next.js.

ekiliRelay Live
Email-sending API service designed for developers and application backends.

MockWails GitHub
Developer tool for creating mock HTTP servers for local development and testing.

MdCli GitHub
Go-based Markdown parser and terminal renderer for readable command-line documentation and output.

distrox GitHub
Minimal, customizable Linux distribution built from scratch in Zig.

mf GitHub
Development workspace manager for managing, syncing, and restoring workspaces from a manifest.

stdio-zig GitHub
Buffered stdin/stdout library for Zig using the modern std.Io reader/writer interfaces.

movebin-zig GitHub
Cross-platform CLI utility for installing local binaries into system paths such as /usr/local/bin.

ccat GitHub
Zig command-line cat utility with built-in clipboard support.

ADDITIONAL OPEN-SOURCE PROJECTS

BeamDrop Mobile GitHub
Mobile client for BeamDrop built with Expo and React Native.

TripWire
Go library for error handling and developer utilities.

OTPX
Lightweight flexible OTP generator for TypeScript and JavaScript.

MoveBin GitHub
CLI tooling for moving binaries into globally accessible paths.

MiniDB
Relational key-value database project built in Python.

PhpMVC
Lightweight PHP MVC framework for API development.

SimpleReact
Simplified React implementation for learning and experimentation.

trendUI GitHub
Contributor to a React Native UI component project.

JurisJs
Contributor to a unified reactive JavaScript interface project.

ZX GitHub
JSX-inspired tooling explored in Zig.

EDUCATION

Bachelor of Science in Information Technology | Institute of Finance Management (IFM), Dar es Salaam · 2022 - 2025

LANGUAGES

Swahili => Fluent · English => Excellent