

CONTACT

Dubai, UAE
+971 52 616 7712
leon@tradefiti.com

linkedin.com/in/leonkioko
github.com/Bileonaire

CORE STACK

- MQL5 & MQL4 — expert (Expert Advisors, custom indicators, automated execution)
- MetaTrader 5 / MetaTrader 4 — live execution, gateways, position sizing
- Python (pandas, numpy, FastAPI, MetaTrader5)
- TypeScript / React 19 / Next.js 16 / React Native (Expo)
- TradingView Advanced Charts; real-time WebSockets; Dukascopy tick data
- Convex, Clerk, Docker, Tailscale

ON THE DESK

Proprietary-capital evaluation

Passed a proprietary trading-capital evaluation.

Methodology

ICT / order-flow / smart-money concepts — applied in real code, not just discretionary calls.

Discipline

Trade journaling, equity-curve analytics, and risk-first position sizing on every system.

EDUCATION

2018
Multimedia University of Kenya
BA Film Production & Animation — Second Class Upper

2019
Andela
Certificate of Service — Software Engineer

2020
Proprietary trading firm
Proprietary-capital evaluation — Passed

Leon Kioko

Trading Technology Engineer

“I build the systems and I run the risk.”

PROFILE

Trading-technology engineer who builds the platforms and trades them.

Expert in MQL5 and MQL4 — automated Expert Advisors, custom indicators, and scripts on MetaTrader 5 and 4. Live MT5 execution infrastructure, TradingView trading terminals, Python research and backtesting with statistical rigor, and production fintech with live brokerage integrations.

SELECTED SYSTEMS

MT5 Execution Infrastructure

Containerized MetaTrader 5 (Windows Docker) behind a secure API-key RPC gateway with a real-time WebSocket multi-account position-streaming hub over Tailscale; plus a worker-pooled FastAPI MT5 gateway (gateway + account workers + price-pusher) and MQL5 Expert Advisors powering live execution in two platforms.

MQL5 Python MT5 FastAPI asyncio WS Docker Tailscale

Edge Research Engine

Python quant research on XAUUSD detecting ICT Fair Value Gaps, validated with chronological out-of-sample testing, bootstrap p-values, Benjamini-Hochberg FDR correction, and a random-entry null control — fed from a live broker API and Dukascopy tick archives.

Python pandas / numpy pyarrow pytest

Liquidators — Systematic Strategy

An ICT / order-flow FX & CFD strategy (liquidity sweeps, FVGs, order blocks, BOS/CHoCH) with a walk-forward backtester sweeping 88x111 stop/exit combinations across multiple pairs, plus MQL5/MQL4 Expert Advisors and a live MT5 execution scanner with risk-based lot sizing and Telegram alerts.

MQL5 / MQL4 Python FastAPI Pine Script MT5

tf-finale — Trading Terminal

A cross-platform (Electron + web) trading terminal in React 19 / TypeScript: live MT5 execution via a worker-pooled FastAPI gateway, real-time TradingView Advanced Charts streamed through Convex, ICT analytics overlays, a full trade journal, and a risk-scoring engine — plus a no-hindsight Python backtester (57 TDD tests, 480k+ bars).

React 19 Electron TradingView Convex Python

Trading Journal & Analytics

A Next.js 16 trading-journal and live-execution platform (Clerk + Convex) with TradingView Advanced Charts, a tested Python FastAPI MT5 gateway exposing FVG / order-block / gap analysis, risk-sized order execution, and prop-firm objective tracking.

Next.js 16 TradingView Python FastAPI MT5

Eltrich Prime — Investment Platform

A production cross-platform retail investment app (Expo + Convex + Clerk, 32-table schema) integrating a live IRESS brokerage API for real-time portfolio net-equity, positions, and trade sync, with multi-currency wallets, a typed financial ledger, and Smile ID KYC.

Expo / RN Convex IRESS Clerk

BILEONAIRE

TRADING TECHNOLOGY

CONTACT

Dubai, UAE

+971 52 616 7712

leon@tradefiti.com

linkedin.com/in/leonkioko

github.com/Bileonaire

CORE STACK

• MQL5 & MQL4 — expert (Expert Advisors, custom indicators, automated execution)

• MetaTrader 5 / MetaTrader 4 — live execution, gateways, position sizing

• Python (pandas, numpy, FastAPI, MetaTrader5)

• TypeScript / React 19 / Next.js 16 / React Native (Expo)

• TradingView Advanced Charts; real-time WebSockets; Dukascopy tick data

• Convex, Clerk, Docker, Tailscale

ON THE DESK

Proprietary-capital evaluation

Passed a proprietary trading-capital evaluation.

Methodology

ICT / order-flow / smart-money concepts — applied in real code, not just discretionary calls.

Discipline

Trade journaling, equity-curve analytics, and risk-first position sizing on every system.

EDUCATION

2018

Multimedia University of Kenya

BA Film Production & Animation — Second Class Upper

2019

Andela

Certificate of Service — Software Engineer

2020

Proprietary trading firm

Proprietary-capital evaluation — Passed

CertyPay — Payments & Ticketing Gateway

A payments and event-ticketing gateway — collect, track, and reconcile payments end to end, with QR ticket issuance, gate verification, and payout reconciliation for businesses, events, and organizations.

Next.js

Convex

Clerk

Payments

QR

EXPERIENCE

2023 — Present

Tradefiti — Founder & Trading-Technology Engineer

Trading platforms, MQL5/MQL4 Expert Advisors, MT5 execution infrastructure, and ICT research & backtesting.

2024 — Present

Autherise / CapEdge — Senior Software Engineer

Multi-tenant fintech / regtech compliance platform at scale.

2023 — Present

Eltrich Prime — Technology Partner

Production investment platform with a live brokerage (IRESS) integration.

2025 — Present

CertyPay — Co-founder

Payments & event-ticketing gateway — payment collection, reconciliation, and QR gate verification.

2021

Scope Markets — Creative & Motion Graphics Executive

Brokerage-industry exposure inside a regulated markets business.

2018 — 2019

Andela — Software Engineer

Engineering foundation on production teams.