

PAYDUKA

# Whitepaper v3.0

Africa's Instant Payment Platform

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The PIX of Africa. Instant bank-to-bank payments, wallet-to-wallet settlement, card advance engine, and blockchain audit layer.

PayDuka (Pty) Ltd · Reg No: 2026/356880/07 · SARS Tax Ref: 9372686239

Ermelo, Mpumalanga, South Africa · [payduka.xyz](https://payduka.xyz) · [info@payduka.xyz](mailto:info@payduka.xyz)

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## Executive Summary

PayDuka is a South African fintech platform that uses live banking rails — PayShap, Capitec Pay, DebiCheck — to deliver instant payments at 60–90% lower cost than any card-based solution. For merchants who accept cards, the same-day advance engine resolves settlement delay that no competitor addresses. The PDuka token adds loyalty, governance, staking, and an immutable audit layer — decoupled from core operations so the platform runs regardless of blockchain conditions.

PayDuka is built for Africa's 400M+ unbanked adults and the continent's vast informal retail sector. Our offline-first PoS system, powered by PowerSync, ensures merchants never lose a transaction — even without internet connectivity.

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## The Problem

- Card terminal fees: 1.5–3% per transaction — crippling for low-margin informal merchants
- Settlement delays: 1–3 business days before merchants receive funds
- Cash dependency: 70%+ of SA transactions still cash-based, creating robbery risk
- Financial exclusion: 400M+ unbanked adults across Sub-Saharan Africa
- No same-day advance: Merchants cannot access funds before card settlement clears

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## The Solution — PayDuka

PayDuka replaces card rails entirely for merchant payments using PayShap (instant bank-to-bank) and Capitec Pay (R7 cap). Merchants receive funds instantly. Customers pay from any bank account or PayDuka wallet. For merchants who still need card acceptance, our card advance engine provides same-day liquidity — no competitor offers this.

The PDuka deflationary token (21B fixed supply) powers the loyalty and rewards layer. Every transaction burns 0.5% of PDuka, routes 2% to the ecosystem treasury, and settles 97.5% in ZARP stablecoin to the merchant.

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## Token Economics

- Fixed Supply: 21,000,000,000 PDuka (21 billion — no minting ever)
- Burn Mechanism: 0.5% of every transaction burned permanently
- Treasury Skim: 2% per transaction to ecosystem development fund
- Merchant Settlement: 97.5% in ZARP stablecoin — stable, instant, predictable
- Network: Polygon Mainnet (deployed April 13, 2026)
- ICO: Active — seed round pricing in progress

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## Technology Stack

- Smart Contracts: PDukaToken + PDukaICO deployed on Polygon Mainnet
- Offline-First PoS: PowerSync for conflict-free offline transaction sync
- Hardware: WAPPoint PoS devices (partnership signed)
- Rewards Layer: Bannga integration for merchant loyalty programmes
- Settlement: ZARP stablecoin for ZAR-pegged merchant payouts
- Backend: Node.js / Python microservices on AWS (Activate credits secured)

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## Business Model

PayDuka generates revenue through transaction fees (0.3–0.5% per payment), card advance engine margins (1–2% advance fee), PoS device leasing, white-label licensing to other African markets, and PDuka token treasury appreciation.

At scale, a merchant processing R100,000/month saves R18,000–R27,000 annually versus card terminals — equivalent to 1–2 months' rent for a small business. This is PayDuka's core merchant value proposition.

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## Market Opportunity

- South Africa: R742B+ processed on PayShap, 11 banks integrated
- Capitec Pay: R7 fee cap — direct API access via Stitch

- Informal Retail: 500,000+ spaza shops and informal traders in SA alone
- Sub-Saharan Africa: 400M+ unbanked adults — largest untapped fintech market
- PIX Precedent: Brazil's PIX reached 170M users, \$6.7T annual volume in 3 years
- SA Payment System opening to non-bank entities from 2026 (SARB)

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## Partnerships

- WAPPoint: Hardware PoS devices, compliance, agent/reseller agreement (signed)
- PowerSync: Offline-first sync infrastructure (hackathon partnership established)
- Bannga: Rewards and loyalty layer (CTO David, active discussions)
- Tokozweni Construction: Last-mile PoS device logistics (contract signed)
- AWS Activate: Cloud credits secured via Spendbase
- Brickyard / LvlUp Ventures: Investor pipeline active

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## Roadmap

### Q2 2026 — Foundation (Current)

- Smart contracts deployed on Polygon Mainnet
- ICO active, WAPPoint & PowerSync partnerships signed
- CIPC registration complete (Reg: 2026/356880/07), SARS registered

### Q3 2026 — MVP Launch

- Android merchant & customer apps live
- 50 pilot merchants in Mpumalanga
- PayShap + Capitec Pay integration complete

### Q4 2026 — Commercial Scale

- 500+ active merchants, 10,000+ wallets
- PDuka listed on OKX, KuCoin & QuickSwap
- Cross-border corridor: South Africa ↔ Nigeria

### 2027+ — Africa & Beyond

- Nigeria, Ghana, Kenya rollout

- 20,000+ merchants, \$100M+ annual payment volume
- Developer SDK for third-party PoS integrations

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## Team

- Mr X.G. Sikhosana — Founder & CEO. Blockchain strategist, former Sales Manager at Shoprite Group. Founded PayDuka to eliminate cash friction across Africa's retail sector.
- Mr G. Jako — Chief Technology Officer. Blockchain architect and full-stack engineer overseeing Polygon smart contracts, PoS infrastructure, and mobile wallet development.
- Mrs J. Ndlangamandla — Head of Operations. Strategic operations leader driving merchant onboarding, partner relationships, and ecosystem management.
- Mr N. Ndlangamandla — Head of Community & Marketing. Community builder and brand strategist growing PayDuka's DeFi presence and ambassador networks.

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## Legal & Regulatory

- Company: PayDuka (Pty) Ltd, Reg No: 2026/356880/07, registered with CIPC
- Tax: SARS registered, Tax Ref: 9372686239
- Token: PDuka structured as utility token under Howey Test, EU MiCA, and applicable African regulations
- KYC/AML: Mandatory for all merchant and high-value accounts
- Data: POPIA (South Africa), GDPR (EU), NDPR (Nigeria) compliant
- Banking: Capitec business account established (branch code 470010)

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## Conclusion

PayDuka is not a crypto payment protocol. It is a fintech platform that uses South Africa's live banking rails to deliver instant payments at 60–90% lower cost than any card-based solution. The PDuka token adds loyalty, governance, staking, and an immutable audit layer — decoupled from core operations.

The model is proven. PIX transformed Brazil with 170 million users and \$6.7 trillion in annual volume. South Africa's PayShap has processed R742 billion. The rails are live. The team that builds the best application layer wins.

The future of African payments is account-to-account. PayDuka is building it now.

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