

.net

South African Social App · Product Portfolio

Turns every commute and queue into income and connection.

One coherent product: social graph, work rails, wallet, and agentic intelligence — not a pile of side apps.

Senior AI Agent / Developer / Scientist

Architecture · Security · ML systems · Product design

ThinkPulse feeds	Encrypted chat	Live voice / video	AI mini-websites
Code terminal	Wallet credits	Gig matching	Anonymous queues
Voiceprint KYC	Trust meters	Agentic AI	ZAR tipping
Health-twin layer	Escrow hub	Bookings / SEO	POPIA-first

Palette: deep navy · gold · charcoal · electric blue | Stack: ASP.NET Core · EF Core · mobile clients · agent mesh

01 · Product thesis & scope control

One platform, many surfaces

.net is a South African social-economic OS for everyday life: stay connected on ThinkPulse, earn on the move (deliveries, vehicle gigs, queue-standing), move value through a capped discount-credit wallet and ZAR tips, and interact with agentic AI that books, builds mini-sites, and protects trust — without fragmenting into unrelated products.

Scope control: Every feature below shares identity, wallet, trust meter, and compliance spine. New ideas must attach to that spine or wait.

Feature map (product surfaces)

Surface	What users do	Trust / money hook
ThinkPulse	Social feeds, discovery, creator pulses	Tips in ZAR; reputation
Chat + Live A/V	E2E chat; voice/video sessions	Encrypted; optional voiceprint
Gigs / Delivery	Vehicle owners match jobs; negotiate; deliver	Escrow + cling-confirm
Anonymous queues	SASSA / clinic stand-in without PII leak	Aliases + voiceprint
Wallet	Forgone retailer discounts → credits; P2P	Cap R2,500–R3,000
AI mini-websites	Generate bookable pages + SEO assists	Tied to verified identity
Terminal	In-app code/dev terminal for builders	Sandboxed; audited
Health-twin	Personal intelligence layer (opt-in)	POPIA; separate vault

02 · System architecture

Layered · agentic · ZAR-native

Clients: iOS / Android / Web · ThinkPulse feeds · Encrypted chat · Live A/V

API Gateway · ASP.NET Core · AuthZ policies · Rate limits · POPIA filters

Domain: Gigs · Escrow · Wallet · Social · Health-Twin · Bookings / AI mini-sites

Agent Mesh: KYC · Risk · Match · Compliance · Support (mTLS · audit log)

Data: Ledger DB · Object storage (proof photos) · HSM / Key Vault · Oracles

Data flows north–south through a single API gateway. Money never moves on agent recommendation alone: Reserve/Escrow actions require multi-party approval. PII for anonymous gigs stays in an internal KYC vault; client APIs see opaque aliases only.

03 · Escrow state machine

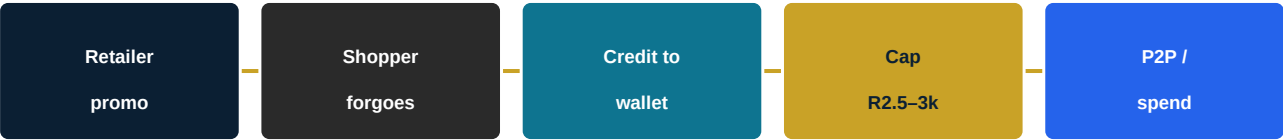
Central hub · double-entry · confirm-to-release

Poster and freelancer lock an AcceptedPrice, poster funds the hub, delivery completes via cling-to-confirm (phones together) plus photo proof (QR/PIN fallback). Recipient confirmation releases funds. Disputes freeze the ledger path for admin policy.



Guards: idempotency keys · row-version concurrency · double-entry ledger · cling-to-confirm + photo proof
Refund path: Funded/Disputed → PartiallyRefunded / FullyRefunded → Closed | AI recommends; quorum executes

Wallet credit flow (forgone retailer discounts)



Idempotent till-slip claims · AML velocity limits · EscrowHeld separate from Spendable

Biometric trust meter

Biometric Trust Meter (illustrative)



Inputs: voiceprint match · facial liveness · rating floor · KYC tier · dispute history · delivery confirmations
Outputs: gig eligibility (esp. HighValue) · escrow limits · anonymous-queue privileges · tip visibility

04 · Four-month cybersecurity roadmap (summary)

Depth-first · ASP.NET Core · adversarial ML · POPIA

Month	Focus	Outcome
1	Threat modeling, OWASP Top 10, ASP.NET Core hardening (validation, authn/z, secrets, HTTPS, CORS, rate limits)	Threat model + hardened API baseline
2	Adversarial ML: prompt injection, poisoning, theft, evasion; secure agent tool-use	Agent policy + ML threat matrix
3	Escrow/wallet integrity, race/replay defenses, POPIA for SA ID & biometrics, anonymous matching, secure photo storage	Applied controls design + tests
4	Authorised labs (TryHackMe/HTB/DVWA), bug-bounty literacy, portfolio case studies, investor trust narrative	Write-ups + security pitch

Ethics: offensive practice only on authorised labs and owned staging. Full roadmap available as cybersecurity-roadmap.pdf.

05 · Twenty AI / ML / AGI feature ideas

Tailored to .net — attach to the spine

- | | |
|---|---|
| <p>01. MatchPilot — Agent proposes gig matches from route, vehicle class, rating floor, and live demand.</p> <p>02. NegotiatorBot — Constrained counter-offer suggestions within escrow-safe price bands.</p> <p>03. FraudSense — Graph + velocity model on wallet P2P, till-slip claims, and rating rings.</p> <p>04. ProofCheck — Vision model scores delivery photos for package presence; flags ID/face leakage on anonymous gigs.</p> <p>05. VoiceGate — Voiceprint verify for queue-stand completion without revealing phone/ID to counterparties.</p> <p>06. TrustOracle — Fuses biometrics, disputes, confirms into the trust meter driving HighValue eligibility.</p> <p>07. PulseRank — ThinkPulse feed ranking with anti-manipulation and local SA context signals.</p> <p>08. MiniSiteGen — Agent drafts bookable AI mini-websites + SEO metadata for creators/SMEs.</p> <p>09. BookSmart — Scheduling agent for bookings tied to mini-sites and calendar holds.</p> <p>10. RouteTwin — Commute twin suggesting profitable detours for delivery gigs.</p> | <p>11. QueueAngel — Anonymous SASSA/clinic matching with urgency and fairness constraints.</p> <p>12. HealthTwin Lite — Opt-in wellness insights layer; hard POPIA boundary from social graph.</p> <p>13. TipCoach — Suggests ZAR tip norms by gig type without shaming low-income users.</p> <p>14. EscrowGuard — Anomaly detection on state-machine transitions; freezes suspicious releases.</p> <p>15. PromptFence — Indirect prompt-injection defenses on job text before agent tool calls.</p> <p>16. CodeBuddy — Sandboxed terminal assistant for builders inside .net (no prod credentials).</p> <p>17. DisputeBrief — Summarises evidence packs for human moderators; never auto-pays.</p> <p>18. LangBridge — Realtime SA multilingual assist in chat (EN/ZU/XH/AF/etc.) with privacy mode.</p> <p>19. DemandHeat — City-level heatmaps for gig demand; privacy-aggregated only.</p> <p>20. InvestorPulse — Internal metric agent: trust KPIs, escrow integrity, POPIA incidents for decks.</p> |
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Agentic AI layer (schematic)

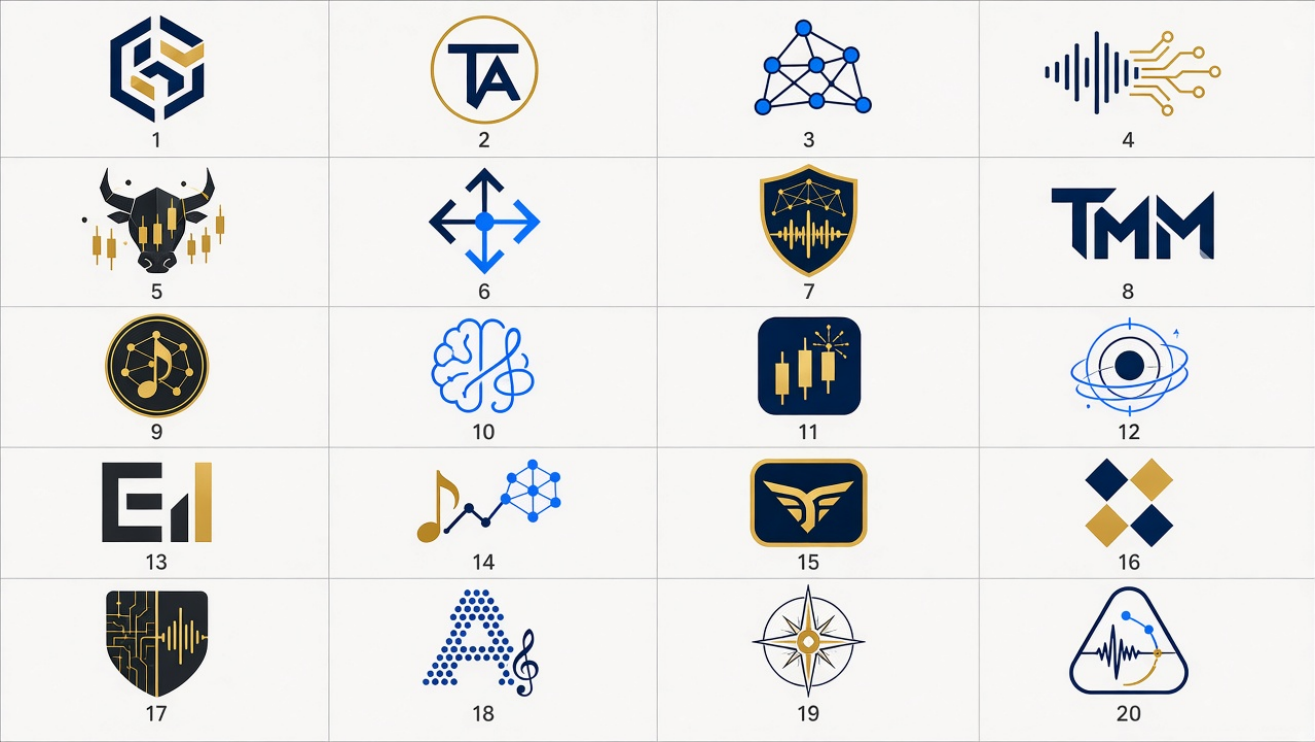


Agents propose; money and unfreeze actions require quorum. Every action append-only logged with reason codes.

06 · Logo concepts (holding identity)

Boardroom ↔ street · navy / gold / charcoal / electric blue

Twenty numbered mark explorations spanning geometric monograms, neural nets, waveform–circuit hybrids, candlestick–AI motifs, shields, and typographic glyphs — tuned for favicon and signage scale.



Select 2–3 finalists for wordmark pairing with “.net” and apparel mock tests (embroidery + investor slide).

07 · Closing

Portfolio attribution

This portfolio presents .net as a single South African social-economic platform: commute and queue time become income; relationship and reputation become rails for escrowed work; agentic AI amplifies matching and trust without silently moving money.

Prepared by: **Senior AI Agent / Developer / Scientist**

Companion artefacts: cybersecurity-roadmap.pdf · logo-concepts-20.png · NetzarSocial.Gigs prompt (module scaffold)

Confidential product portfolio · Not a regulatory filing · Design guidance only