

Eromonsele Emmanuel Odigie

Smart Contract Engineer · Full-Stack Developer

SUI · MOVE · IOTA · RUST · TYPESCRIPT · LAGOS · GMT+1

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SUMMARY

Smart Contract Engineer with 3+ years building, auditing, and shipping production Move protocols on Sui and IOTA mainnet. Sui Foundation grantee for Deeplens, a DeepBook-Points trading hub deployed to Sui mainnet. Author of a custom polling indexer merged into `iotaLedger/iota-rust-sdk`. 1st place at Sui Overflow 2025 (GiveRep). Trained in Mechatronics Engineering with hands-on work in CAD modelling and finite element analysis. I bring that systems thinking into how I architect smart contracts, design indexers, and ship the full-stack apps on top of them.

CORE STACK

LANGUAGES	Move, Rust, TypeScript, JavaScript, Solidity (literacy), Python (scripting)
SUI & MOVE	sui-framework, Move VM, PTBs, BCS, dApp Kit, Sui Indexer, GraphQL RPC, Move CLI, capability/object-centric design, DeepBook V3, Aftermath, Cetus
IOTA ECOSYSTEM	Move on IOTA, <code>iota-rust-sdk</code> , <code>iota_graphql_client</code> , polling-based indexers, checkpoint streaming
FRONTEND	Next.js, React, TailwindCSS, Framer Motion, GSAP, accessible component systems
BACKEND / INFRA	Node.js, PostgreSQL, REST & GraphQL APIs, Docker, Linux/Bash, Git workflows, CI/CD
MECHATRONICS	CAD modelling (SolidWorks, Fusion 360), Finite Element Analysis (FEA), MATLAB, embedded control systems
PRACTICES	Smart-contract architecture & security review, audit-readiness, unit and integration testing, indexer design, mainnet deployment, performance optimization, code review, technical writing, public speaking, mentorship
LANGUAGES	English (native, professional)

SELECTED HIGHLIGHTS

- **Sui Foundation Grant, 2026** for Deeplens, a DeepBook Points trading hub on Sui (perps, swaps, quests, leaderboard).
- **1st Place (\$50K+ track)** at Sui Overflow 2025 with GiveRep, the SocialFi protocol on Sui.
- **300+ developers** trained across Port Harcourt, Ibadan, and Ilorin via a 5-module Move curriculum.
- **PR #978** merged into `iotaLedger/iota-rust-sdk`. Custom polling indexer with PostgreSQL storage.
- **Winner** of IOTA Moveathon Europe 2025 (Open Novice Track).
- **\$3,000 R&D grant** for FluxPay cross-chain bill-payment research (Sui & IOTA).

EXPERIENCE

Sui Developer Ambassador · Sui Network

JAN 2025 – PRESENT

Lagos, Nigeria · Remote · ecosystem & smart-contract engineering

- Currently shipping Deeplens, a Sui-Foundation-funded trading hub deployed to Sui mainnet that tracks the DeepBook Points Program; integrates Aftermath perpetuals, multi-DEX swaps, daily quests, and a real-time leaderboard.
- Authored deep-dive technical pieces on Sui internals (Party Objects, Nautilus, Seal, and the gRPC/GraphQL data stack), published on Substack and shared across Sui developer channels.
- Co-organized a 300+ attendee developer meetup in Port Harcourt and delivered hands-on Move workshops in Ibadan and Ilorin, teaching from a structured 5-module Move curriculum.
- Awarded the Sui Basecamp Travel Grant (Dubai 2025) for technical and community impact.

Blockchain Developer · GiveRep Labs

MAR 2025 – NOV 2025

Sui · SocialFi protocol & ecosystem launchpad

- Core contributor to GiveRep, the SocialFi protocol on Sui that won 1st Place (\$50K+) at Sui Overflow 2025; deployed to mainnet with active users post-launch.
- Designed and audited object-centric Move modules for scalable on-chain interactions and safe state transitions; introduced capability-based access patterns and shared-object choreography for high-throughput updates, with unit and integration test coverage across the core flows.
- Built Blast.fun token-launchpad smart contracts and front-end flows, simplifying community-token creation from a multi-step process to three clicks.
- Shipped IOTA Gives, a multi-claimable distribution-link system that improved onboarding completion rates and reduced asset-claim friction.
- Designed ecosystem mini-games (Move smart contracts + React UIs) to drive engagement, retention, and on-chain user education.

Research & Software Engineer · 4Dummies Labs

JAN 2024 – JAN 2025

Smart-contract R&D · developer tooling · onboarding UX

- Prototyped blockchain integrations across TypeScript/Node and Move smart-contract stacks; delivered internal tools and R&D prototypes used to validate ecosystem hypotheses.
- Built 4dummies Wallet, a passkey-based Sui wallet using WebAuthn, removing the need for seed-phrase onboarding for non-technical users.
- Contributed to early concepts that became FluxPay (stablecoin utility-bill payments for Nigeria) and explored 2PC-MPC cross-chain coordination for the Octo Protocol direction.

OPEN SOURCE & ECOSYSTEM CONTRIBUTIONS

- `iotaledger/iota-rust-sdk` · PR #978: authored and merged a custom polling indexer example using `iota_graphql_client`, with checkpoint ingestion, transaction/event filtering, and PostgreSQL-backed storage. Aligned with bounty #517 and explicitly avoids `iota-data-ingestion-core`.
- Sui Overflow 2025 Hackathon: 1st Place with GiveRep across the SocialFi track.
- IOTA Moveathon Europe 2025: Winner, Open Novice Track.
- FluxPay R&D grant (\$3,000) for cross-chain bill-payment research across Sui and IOTA.

NOTABLE PROJECTS

Deeplens

SUI · ACTIVE · FUNDED

deeplens.fun

Trading hub and community dashboard built on Sui, tracking the DeepBook Points Program. Integrates Aftermath perpetuals, multi-DEX swaps, daily quests, and a real-time leaderboard. Backed by a Sui Foundation grant.

Next.js Sui Move TypeScript DeepBook V3 TailwindCSS

- Designed the points-tracking indexer and leaderboard refresh schedule; surfaces season-based snapshots calculated from on-chain DeepBook activity.
 - Composed PTBs across Aftermath and DEX aggregators so users complete swaps and perp opens in a single transaction.
 - Funded by the Sui Foundation; live with active traders on mainnet.
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IOTA Polling Indexer

RUST · MERGED

github.com/iotaledger/iota-rust-sdk · PR #978

Custom IOTA polling indexer demonstrating SDK-driven checkpoint ingestion using `iota_graphql_client`. Supports transaction and event filtering, PostgreSQL-backed storage, and bounded / continuous run modes.

Rust IOTA SDK PostgreSQL GraphQL

- Aligned with bounty #517 acceptance criteria; explicitly avoids `iota-data-ingestion-core` as required.
 - Implements idempotent restarts using durable database schema and checkpoint cursors.
 - Merged into the official `iotaledger/iota-rust-sdk` repository as the canonical SDK indexer example.
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GiveRep

SUI · 1ST PLACE SUI OVERFLOW 2025

giverep.com

SocialFi protocol on Sui. On-chain reputation, social interactions, and a points system. Won 1st Place (\$50K+) at Sui Overflow 2025.

Sui Move TypeScript React

- Designed object-centric Move modules for scalable interactions and safe state transitions across reputation, follows, and reward distribution.
 - Built launch-day flows and on-chain mini-games that drove sustained user engagement post-hackathon.
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FluxPay

SUI · \$3,000 R&D GRANT

fluxpay.site

Stablecoin-powered prototype enabling Nigerian utility-bill payments through a simplified user flow. Secured a \$3,000 R&D grant for cross-chain payment research across Sui and IOTA.

Blitz Protocol

IOTA · DEFI

github.com/Seventh0dyssey71/blitzz-protocol

DeFi platform on IOTA built with Move smart contracts; liquidity and trading workflows ported from Sui-Move design patterns into the IOTA ecosystem.

4dummies Wallet

SUI · WEBAUTHN

passkey-app.pxxl.pro

Passkey-based Sui wallet using WebAuthn for simpler, safer Web3 onboarding without seed phrases. Designed to remove the highest-friction step in user onboarding.

EDUCATION

University of Benin · B.Eng. Mechatronics Engineering

2020 – 2025

Selected coursework: mechanical design, control systems, electronics, embedded programming, computer-aided design, finite element analysis, signals and systems, applied mathematics, software engineering principles.

Project work in SolidWorks and Fusion 360 for 3D modelling, and FEA-style stress and thermal simulations for mechanical assemblies. The systems thinking I built designing physical mechanisms (cause and effect, feedback loops, fail-safe states, modular components) is the same lens I now apply to smart-contract architecture, indexer design, and full-stack product engineering.

AWARDS & HACKATHONS

- Sui Foundation Grant for Deeplens
2026 · Active
- Sui Basecamp Travel Grant, Dubai
2025 · Recipient
- 1st Place at Sui Overflow 2025 (GiveRep)
2025 · \$50K+ track
- \$3,000 R&D Grant for FluxPay
2025 · Cross-chain payments
- Winner of IOTA Moveathon Europe 2025
2025 · Open Novice Track
- Sui Developer Ambassador
Since 2025

TALKS, WORKSHOPS & PUBLICATIONS

- The Next Evolution of Sui's Data Stack
Substack · Oct 2025
- Seal on Sui: The Dawn of Decentralized Secrets Management
Substack · Jul 2025
- Party Objects: The Missing Piece for Single-Owner Consensus on Sui
Substack · Sep 2025
- Building with Decentralized AI (OG Compute + OG App)
Substack · Apr 2025
- Meeting Escrow on Sui Blockchain (a Concept)
Substack · Sep 2025
- 5-Module Move Curriculum, Ibadan / Ilorin
Workshop · 2025
- Understanding "Nautilus": Verifiable Offchain Privacy on Sui
Substack · Aug 2025
- Port Harcourt Developer Meetup (300+ attendees)
Co-organizer · 2025

COMMUNITY & MENTORSHIP

- Sui Developer Ambassador. Supporting builders across Africa with onboarding sessions, code reviews, and Move debugging since Jan 2025.
- Developer Ambassador, Sui Foundation (Ilorin, Sep 2025): onboarded 100+ developers in a 2-day workshop with custom practice UIs.
- Campus Club Lead, SuiOnCampus Benin (Sep 2024 – Feb 2025): led campus community sessions and mentored new builders through study groups and project guidance.
- Taught from a 5-module Move curriculum used across multiple Nigerian Sui training programs.

Open to senior smart-contract and full-stack roles, ecosystem grants, and protocol contracts.

Portfolio & selected work: seleodigie.com · Writing: seleodigie.substack.com