CHINYERE JOHN-NNAH

Software Engineer

Port Harcourt, Nigeria | chinyerejohnnna@gmail.com | +234 904 983 3096
chinyere-dev.vercel.app | github.com/Chinyereee | LinkedIn

PROFESSIONAL SUMMARY

Software engineer building DeFi interfaces and developer tooling in React and TypeScript. I ship cross-chain products: live multi-chain balance aggregation, wallet-connected trading flows, and route comparison over real quotes. I also build automation that removes mechanical work from engineering teams, including an ethers.js migration codemod that handled 90.3% of a production migration against Uniswap v3-periphery.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3
Frameworks & Architecture: React, Next.js (App Router), Vite, Vue.js, Node.js, Tailwind CSS
Web3: ethers.js v6, viem, wagmi, near-api-js, NEAR Intents, Alchemy SDK, JSON-RPC, EVM (Ethereum, Polygon, Base)
Systems, Tooling & Analytics: jscodeshift, recast, Git, GitHub Actions, Vercel CI/CD
APIs & Data Layers: Etherscan API, Alchemy Pricing Engine, CoinGecko REST API, Groq Cloud (Llama 3.1)
Engineering Paradigms: AST Parsing, Concurrent Threading (Promise.all), Server-Side Proxy Routing, Regression Testing
Accessibility: WCAG, ARIA, keyboard interaction, focus management, axe testing

SOFTWARE ENGINEERING & OPEN SOURCE

NEAR DeFi Core: Cross-Chain DeFi Dashboard and Route Router

github.com/Chinyereee/near-defi-core

- Built a dashboard connecting a single NEAR account to live balances on Ethereum, Polygon and Base, with no network switching.
- Integrated the NEAR Intents 1Click API to fetch solver quotes for every destination and rank them by net value after route fees and origin-chain gas.
- Stack: React, Vite, TypeScript, viem, near-api-js, Node API. Verified derived EVM contract addresses on-chain against v1.signer.

Nova UI: Accessible React Component Library

github.com/Chinyereee/nova-ui

- Built 13 components with correct ARIA, keyboard interaction and focus management, with no headless UI dependency.
- Proved behaviour with 142 interaction and axe accessibility tests running in CI.

Automated AST Migration Tool (ethers-v5-to-v6-codemod)

Developer Tooling & Compilation

- Engineered an 8-transform AST codemod using jscodeshift and recast to refactor breaking changes across complex JavaScript/TypeScript dependencies.
- Ran it against the Uniswap v3-periphery production codebase, automating 90.3% of source file updates (502 lines across 28 files) with 0% false positives across a 154-test suite.
- Implemented a risk-mitigation layer that isolates ambiguous code blocks and flags them for engineering review.

TECHNICAL PROJECTS

Multi-Chain Portfolio Aggregator & Compute Engine (defi-tracker)

- Architected a valuation engine aggregating live ERC-20 holdings across Ethereum, Polygon and Base simultaneously.
- Optimized latency by running concurrent data layer lookups in parallel via Promise.all, then merging results with upstream price data.
- Stress-tested network limits against high-volume endpoints, parsing and validating $800M+ in simulated asset distribution values via hot-wallet simulations.

Ethereum Network Telemetry Dashboard (gas-tracker)

- Built an event-driven tracker monitoring core gas metrics on a 12-second polling cycle, with a 24-hour history chart and a "transact now" indicator.
- Designed a server-side API proxy to keep network credentials off the client.

AI Article Summarizer (ai-summarizer)

- Built a Next.js app that extracts content from any article URL using Mozilla Readability, then summarizes it with Groq's Llama models through a server-side route.

Serverless AI Document Processor (demo)

- Developed a content extraction pipeline that parses remote URLs, executes DOM-tree cleaning via Mozilla Readability, and returns structured payloads to edge nodes.
- Optimized compute budgets and token sizes to complete generation routines inside a strict 10-second serverless timeout.

Ritual / Infernet Node Monitor (demo)

- Built a cluster health dashboard for decentralized compute nodes, working against a mocked API matching Infernet's documented CLI/REST schema to evaluate layout performance under high-volume updates.

PUBLICATIONS & WRITING

- "I Automated 90% of the Ethers.js v5 to v6 Migration using Codemods and AI", architecture breakdown of AST transformations and compilation design (Dev.to, April 2026).
- "How to Use Agent Router Credits with Claude Code", pipeline configuration and error troubleshooting for Windows runtimes (CoderLegion, August 2026).
- "Beyond the Chat Wall: What Google I/O Means for Developers", analysis of tooling announcements (Dev.to, May 2026).

COMMUNITIES

- Women in DeFi: Member since 2023; contributing to research on execution layouts and multi-chain protocols.