Bernardo Vieira

Senior Full-Stack Engineer

Porto, Portugal | blvieira5@gmail.com
https://vibern.xyz | https://github.com/vibern0 | https://www.linkedin.com/in/vibern/

Summary

Senior full-stack engineer and former CTO with nearly a decade of experience building production applications. Hands-on across TypeScript, React, Next.js, Node.js, PostgreSQL and Solidity, with experience in backend architecture, developer SDKs, blockchain indexing and engineering leadership.

Skills

Languages: TypeScript, JavaScript, Solidity, Java, SQL
Frontend and Mobile: React, Next.js (App Router, Server Components), Svelte, React Native, Prismic
Backend and Data: Node.js, Express, REST APIs, GraphQL, gRPC, WebSockets, message queues, PostgreSQL, Sequelize, Redis, Firebase
Blockchain: Ethereum, Celo, Gnosis Chain, smart contracts, The Graph, Envio
Infrastructure: AWS, Cloudflare Workers, D1, Heroku, Docker, Git, continuous integration (CircleCI)
Testing and AI Tools: Vitest, Playwright, Hardhat, Cucumber, Claude, Codex

Professional Experience

Gnosis | Full-Stack Web3 Engineer

Aug 2024 - Sep 2026 | Gnosis App, formerly Metri

- Launched Circles-denominated card cashback for approximately **1,200 weekly users** and built self-service tools for payout processing and reward investigations.
- Built token swaps and refactored the data model to unify swaps and transfers in transaction history; Gnosis App recorded approximately **$703k in swap volume during Q2 2026**.
- Expanded Envio indexing across Circles v1 and v2 to power community discovery, trust connections, transaction tracking, balance updates and demurrage calculations.
- Implemented indexing for Circles-funded card top-ups, mapping token conversions and settlement steps into simple wallet and card transfer records.
- Integrated cashback data with Intercom AI support, enabling automated answers to common questions and reducing manual investigations.

Tech stack: TypeScript, Node.js, Express, Svelte, Solidity, Gnosis Chain, Envio, GraphQL, Firebase, Vitest, Playwright, Claude.

impactMarket | Co-founder and Chief Technology Officer

May 2020 - Jan 2024

- Built the initial Universal Basic Income (UBI) smart contracts, backend, landing page and custom Celo indexer as the first engineer. The platform reached **45k+ beneficiaries and $3M+ in distributions**.
- Hired **six engineers** across backend, frontend, mobile and smart contracts; led delivery across UBI, Microcredit, Libera Wallet and Learn & Earn.
- Created a shared TypeScript/React Software Development Kit (SDK) with hooks abstracting smart-contract interactions. Built PostgreSQL indexing for community filtering and reporting alongside private user profiles.
- Built commercial Next.js features for nearly **2 years**, using **App Router and Server Components**, and integrated the Prismic headless CMS.
- Developed backend and SDK integrations for PACT donation mining, which attracted **nearly 800k cUSD from 4,000+ donors** within its first two months.
- Led Microcredit engineering through design, contract reviews, backend and SDK development. The product delivered **500+ loans totalling $154k+** by year-end 2023.
- Led Learn & Earn engineering, including backend and SDK development; it became the **first dApp integrated into Opera MiniPay**, initially launching in Nigeria.

Tech stack: TypeScript, Node.js, Express, React, Next.js, React Native, Prismic, Solidity, Celo, The Graph, GraphQL, PostgreSQL, Sequelize, Redis, Firebase, AWS (Lambda, S3, CloudFront, API Gateway), Heroku, Docker, CircleCI.

Tech HQ | Blockchain Developer

Aug 2018 - Apr 2020

- Delivered full-stack Ethereum applications and contributed to open-source Solidity tooling, including a smart-contract library with **450+ GitHub stars**.
- Created Solviz, a Solidity contract visualisation tool; developed it with a team to win **1st place at the ConsenSys Blockchain Grants Hackathon**, Dublin, 2019. Solviz repository | Hackathon write-up
- Published practical engineering guides on upgradeable contracts, IPFS and blockchain onboarding.

Tech stack: Solidity, Ethereum, TypeScript, JavaScript, React, D3.js.

Altice Labs | Software Quality Assurance Tester

Oct 2017 - Jul 2018

- Implemented automated testing using Java and Cucumber.

Tech stack: Java, Cucumber.

Projects

Kettigo

Independent project | Confidential prize savings | Sepolia prototype

GitHub: https://github.com/vibern0/kettigo | https://kettigo.xyz | https://app.kettigo.xyz

- Built a Next.js savings prototype using Zama Fully Homomorphic Encryption (FHE) for encrypted balances and prize draws, with Safe accounts and sponsored transactions. Added Cloudflare Workers APIs and D1 storage for the landing-page waitlist.

Tech stack: Solidity, TypeScript, React, Next.js (App Router), TanStack Query, Tailwind CSS, Cloudflare Workers, D1, Zama FHE, Safe, Hardhat, viem.

Tiered Spending Guard

Independent project | Safe vault prototype

GitHub: https://github.com/vibern0/tiered-spending-guard | Vault architecture and testing

- Designed a Safe vault and React UI prototype for spending limits, additional-signer approvals and delayed, cancellable withdrawals. Documented its architecture, adversarial tests and invariants.

Tech stack: Solidity, TypeScript, React, TanStack Query, React Hook Form, Zod, shadcn/ui, Tailwind CSS, Safe, Zodiac, Hardhat, viem.

Mosaic

ETHGlobal Circuit Breaker | Hackathon project | Feb 2024

GitHub: https://github.com/vibern0/circuit-breaker-mosaic

- Explored privacy-preserving reputation using zero-knowledge (ZK) proofs, prototyping verification of trust relationships without revealing user connections.

Tech stack: Noir, Barretenberg, Solidity, TypeScript, Hardhat, viem.

Education

Bachelor's in Computer Science - Software Engineering

Instituto Superior de Engenharia de Coimbra | Sep 2014 - Sep 2017