

Sylvain TIASSOU

Blockchain & Full-Stack Developer

🔗 Solidity · Web3 · DApps · 🛠️ NestJS · TypeScript · FastAPI · 🤖 AI · OCR · Face-ID

Passionate developer with 3+ years of experience, specializing in both robust backend engineering (NestJS, TypeScript, FastAPI, PostgreSQL) and blockchain development (Solidity, Hardhat, Ethers.js, OpenZeppelin). Comfortable auditing and taking over existing codebases quickly. Proven track record in Fintech contexts (prepaid cards, mobile money, digital payments) and three shipped digital products for the West African market. Available for remote or on-site positions.

CONTACT

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🌐 sylvaintiassou.site
🏠 Remote · On-site
📅 Born 04/05/2001

LANGUAGES

🇫🇷 French — Native
🇬🇧 English — Technical proficiency

SKILLS

🔗 Blockchain & Web3

Solidity ERC-20, ERC-721, ERC-1155

Hardhat · Foundry Testing, deployment, scripts

Ethers.js · Wagmi / Viem Web3 frontend integration

OpenZeppelin Secure & audited contracts

IPFS Decentralized storage

The Graph On-chain data indexing

Slither Static analysis & audit

🛠️ Backend

NestJS / TypeScript ★★★★★

Node.js ★★★★★

FastAPI (Python) ★★★★★☆

REST API & GraphQL ★★★★★

PostgreSQL · MySQL · MongoDB

★★★★★

UML / Merise Modeling ★★★★★☆

📱 Frontend & Mobile

Next.js · React ★★★★★☆

TypeScript ★★★★★

Tailwind CSS ★★★★★☆

Flutter / Dart ★★★★★☆

Three.js / R3F · GSAP Animation & 3D

⚙️ DevOps & Infrastructure

Docker · CI/CD ★★★★★☆

Git · GitHub ★★★★★

Grafana · Loki · Tempo Monitoring

Prometheus · OpenTelemetry Observability

Sentry Error tracking

🛡️ Security & Quality

OWASP API security best practices

SOLID · Clean Code · DRY ★★★★★☆

Smart contract auditing Slither, manual review

OCR · Face-ID (ML) Python / FastAPI

EDUCATION

BSc Mathematics & Computer Science

UCAO-UUT, Zanguera — Togo

2021 – 2024

Final project: [nye-dowola.vercel.app](#)

High School Diploma — Science

Lycee d'Akoumape — 2019-2020

INTERESTS

WORK EXPERIENCE

Full-Stack Developer · SOLIMI

June 2024 – present | Klikame, Togo

- ▶ **Codebase takeover:** Audited and onboarded onto an existing Flutter/FastAPI codebase — fully operational in under 2 weeks
- ▶ **Fintech:** Built REST APIs (FastAPI/NestJS) for prepaid card management, transactions and secure authentication
- ▶ **Monitoring:** Set up full observability stack: Grafana, Loki, Tempo, OpenTelemetry, Prometheus
- ▶ **AI & Security:** Built biometric Face-ID system and document OCR pipeline (Python / FastAPI)
- ▶ **Frontend:** Real-time dashboards with Next.js and back-office interfaces with React.js

[NestJS] [FastAPI] [TypeScript] [PostgreSQL] [Docker] [Grafana] [Flutter] [Next.js]

Full-Stack Developer (Fixed-term) · AZ Consulting Africa

May – September 2024 | Lome, Togo

- ▶ **Events platform:** NestJS/TypeScript API for an event management platform — auth, ticketing, real-time notifications
- ▶ **HR platform:** Full HR management system: employees, leave, contracts (NestJS + Next.js + PostgreSQL)
- ▶ **Quality:** Unit tests, Swagger documentation, code reviews

[NestJS] [TypeScript] [Next.js] [PostgreSQL] [REST API] [Docker]

Full-Stack Developer (Remote) · SEBCO TOGO

2023 – 2024 | Akepe, Togo

- ▶ Took over existing e-commerce web applications — feature additions, refactoring, bug fixes
- ▶ Developed and maintained REST APIs, optimized performance

[NestJS] [React.js] [TypeScript] [PostgreSQL] [E-commerce]

Web & Mobile Developer (Internship) · Woelab

2022 – 2023 | Apedokoe, Togo

- ▶ Built REST APIs with NestJS and a cross-platform mobile app with Flutter
- ▶ Prototyping, agile ceremonies, code reviews

[NestJS] [Flutter] [MySQL] [REST API]

PROJECTS — SHIPPED PRODUCTS

SafeTicket

Bus ticket booking platform for West Africa. Multi-company search, offline QR codes, digital wallet, on-ground validation and real-time notifications. 240K+ tickets issued.

[Next.js] [TypeScript] [FastAPI] [PostgreSQL] [Mobile Money] [kkiapay]

→ safeticket.app

QuincaSmart

Multi-store marketplace for construction materials and hardware in Togo. Integrated wallet, 24h delivery, 500+ partner stores, real-time analytics dashboard.

[Next.js] [TypeScript] [NestJS] [PostgreSQL] [Tailwind CSS] [kkiapay]

→ quincasmart.shop

TissuMode

E-commerce platform for African fabrics and wax prints with AI-powered virtual try-on — upload your photo and visualize the fabric on your silhouette. Mobile money payments integrated.

[\[Next.js\]](#) [\[TypeScript\]](#) [\[Tailwind CSS\]](#) [\[Cloudinary\]](#) [\[Stripe\]](#) [\[Mobile Money\]](#)

→ tissumode.co

BLOCKCHAIN & WEB3 PROJECTS

TKMS Token — ERC-20 with Staking

ERC-20 token with a time-weighted staking and rewards mechanism. 95%+ unit test coverage. Deployed on Sepolia testnet.

[\[Solidity\]](#) [\[Hardhat\]](#) [\[TypeScript\]](#) [\[Ethers.js\]](#) [\[OpenZeppelin\]](#) [\[Sepolia\]](#)

→ github.com/sylvainTIASSOU/tkms_token

Blockchain Cagnote — Decentralized Crowdfunding

Trustless on-chain crowdfunding DApp on EVM — transparent fund collection with no intermediary. React frontend connected via Ethers.js.

[\[Solidity\]](#) [\[React\]](#) [\[Ethers.js\]](#) [\[Hardhat\]](#) [\[EVM\]](#)

→ github.com/sylvainTIASSOU/blockchain-cagnote-project

Blockchain Voting DApp — On-chain Governance

Decentralized voting system with double-vote prevention, immutable results and transparent governance. TypeScript + Viem frontend.

[\[Solidity\]](#) [\[TypeScript\]](#) [\[Hardhat\]](#) [\[React\]](#) [\[Viem\]](#) [\[OpenZeppelin\]](#)

→ github.com/sylvainTIASSOU/blockchain_voting_project