

# NNAEMEKA ANTHONY UMEH

## SENIOR SOFTWARE ENGINEER

[anthony.nnaemeka.umeh@gmail.com](mailto:anthony.nnaemeka.umeh@gmail.com) | [+234\(0\)-815-621-3793](tel:+23408156213793)

[GitHub](#) | [Portfolio](#) | [LinkedIn](#)

Nigeria (Remote, GMT+1)

### PROFESSIONAL SUMMARY

Senior Software Engineer with 7+ years of experience building fintech and Web3 systems; from banking API integrations and blockchain attestation infrastructure to scalable backend services in NestJS and TypeScript. Proven track record shipping production systems handling real money movement, on-chain verification, and multi-service architectures, with additional full-stack range across React Native mobile applications. Comfortable owning problems end-to-end, from infrastructure (AWS, Terraform) to application logic.

### TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Solidity.

**Backend & Frameworks:** NestJS, Node.js, Express, Prisma, REST APIs.

**Databases:** PostgreSQL, Supabase, Redis.

**Blockchain / Web3:** Solidity, Hardhat, Viem, EAS (Ethereum Attestation Service), Foundry, IPFS, The Graph, WalletConnect, Biconomy AbstractJS.

**Mobile:** React Native, Expo, NativeWind, Expo Router

**Infrastructure / DevOps:** AWS (EC2, KMS, IAM, Secrets Manager), Terraform, Docker, Nginx, PM2, CI/CD.

**Architecture & Practices:** Monorepo management (Turborepo, Pnpm), Microservices, Webhook security (HMAC), Payment/banking API integrations, Automated testing (unit/integration).

### PROFESSIONAL EXPERIENCE

**Senior Software Engineer (Contract) - BLIA (Buy Land In Africa)**

*April 2026 - Present*

- Independently led development of on-chain payment and attestation infrastructure for a real estate escrow platform, taking the system from design to production in 6 months as sole engineer.
- Integrated Cybrid as a banking on-ramp partner, building USD→USDC conversion flows, FBO account handling, and identity verification workflows within a NestJS/TypeScript backend.
- Integrated MeCash as an off-ramp partner, implementing secure webhook handling with HMAC signature verification and replay protection via Redis.
- Built blockchain attestation infrastructure using Ethereum Attestation Service (EAS) for delegated on-chain verification of escrow milestones.
- Provisioned and managed AWS infrastructure (EC2, KMS, IAM, Secrets Manager) via Terraform, and deployed backend services with PM2 and Nginx reverse proxying.

## **Senior Smart Contract Engineer (Full Time) - Tradable**

*June 2023 - April 2026*

- Built a multichain decentralized trading platform from the ground up, growing total value locked (TVL) to \$36K.
- Developed and deployed smart contracts integrated with LayerZero for cross-chain messaging and Gelato for automated on-chain execution, collaborating within a small engineering team.
- Designed and implemented a matching engine and order book system to support on-chain trading functionality.
- Wrote comprehensive test suites for smart contracts to ensure correctness and security prior to deployment.
- Owned front-end development for platform release, translating smart contract logic into a functional trading interface.

## **Smart Contract Engineer (Full Time) - Tecmie**

*June 2022 - April 2023*

- Wrote and tested smart contracts across multiple blockchain products, establishing foundational experience in Solidity development and on-chain testing practices.
- Built BBNPolls, an on-chain polling platform (now discontinued).
- Developed smart contracts for Daccred, a platform enabling users to design, issue, and manage verified digital credentials and certificates as on-chain NFTs and soulbound tokens.

## **PERSONAL PROJECTS**

- [Mempool Listener](#): Built a chain-specific EVM mempool listener to monitor and filter contract-specific pending transactions in real time.
- [Yard](#): Designed and implemented a smart contract protocol enabling peer-to-peer ERC-721 NFT swaps on EVM, applying core Uniswap AMM mechanics to an NFT trading context.
- [Bayview](#): Built a smart contract system modeled on Pump.fun's token launch mechanics, implementing a bonding curve and direct buy/sell functions to explore how launchpads price and distribute newly launched tokens.

## **WRITING**

Co-authored [Yul By Example](#), a technical resource exploring and documenting the Yul intermediate language for the blockchain development community.

## **EDUCATION**

### **B.Sc. Computer Engineering**

Nnamdi Azikiwe University — 2023