

Joseph Hughes

Senior Software Engineer | Blockchain Specialist

4 Holburn Walk,
Leeds, LS6 2RA
+44 7834 852855
joe@investinsight.io

PROFESSIONAL SUMMARY

Senior full-stack engineer and technical leader with 11+ years building production blockchain and Web3 applications. Led development of platforms scaling to 140,000+ users, secured 7 figures in funding, and consistently promoted to CTO roles. Expertise in smart contract development, cross-chain solutions, and modern JavaScript/TypeScript stack. Proven track record of founding companies, making critical technical decisions, and building engineering teams from scratch. Passionate about architecting scalable systems and mentoring developers.

EXPERIENCE

Tech Lead | Alpaca Network

Remote | AI Inference SaaS with tokenised AI models & DEX
Jan 2025 – Present (Promoted from Full Stack Developer in Mar 2025)

- Built a decentralised exchange (DEX) from concept to production almost solo, developing a complete full-stack solution
- Developed entire frontend (React/Next.js) and backend (Node.js) infrastructure for token launches and trading
- Architected utility loop connecting DEX with AI inference platform, enabling an integrated trading ecosystem
- Planning and auditing smart contract architecture for token launches and DEX functionality
- Leading technical direction and coordinating team on AI inference platform development

Chief Technology Officer (CTO) | TowneSquare

Remote | Web3 Social Media Platform & Superapp
Aug 2022 – Apr 2024

- Built a Web3 social media platform from the ground up, achieving 140,000 monthly active users
- Led development team and secured \$650,000 in pre-seed funding through technical leadership
- Delivered key features including NFT marketplace, loyalty tracker, and composable NFT collections
- Built a platform on the Aptos blockchain with cross-chain capabilities
- Architected and developed associated dApps supporting social media functionality
- Built and architected entire AWS infrastructure from the ground up, conducting AWS Well-Architected Framework reviews

SKILLS

Languages: Python, JavaScript/TypeScript, C++, Solidity, SQL, Move
Frameworks: React, Next.js, Node.js, Express.js, Vue.js, React Native
Cloud/Infrastructure: AWS, Firebase, MongoDB, DevOps, CI/CD, GitHub
Blockchain: Smart contracts, DeFi, NFT marketplaces, Web3, Cross-chain, Solana SDK, Move SDK
Architecture: System design, API development, Microservices, Security
Skills: Team leadership, Agile methodologies, Technical writing
Personal: Hardware knowledge, strong Snowboarder, ex-professional gamer

AWARDS

Social Media Chief Technology Officer of the Year 2024 – CEO Monthly

NOTABLE SOLO PROJECTS

Trading Bots: Developed Python-based trading bots automating Binance transactions.

Trackmania stats & leaderboard platform with a plugin to use in-game

Director & Founder | Decadent Blockchain Solutions

Remote | Web3 Gaming
Feb 2021 - May 2022

- Built Web3 mobile gaming platform on WAXP Network, developing multiple NFT game titles
- Created Journey to Godhood, a Discord text-based RPG generating \$1.8M USD in secondary market NFT volume
- Developed Empire of Decay and other WAXP games, implementing NFT and token mechanics
- Architected gaming platform infrastructure integrating blockchain with mobile gaming experiences

Director & Founder | Crypos

Remote | Masternode Platform
Aug 2017 - Mar 2018

- Built masternode platform from the ground up, enabling collaborative collateral funding for masternode participation
- Developed platform bringing masternodes to the masses, implementing auto-reinvesting of earned funds
- Designed and implemented a complete infrastructure with security measures, including two-factor authentication
- Successfully negotiated and executed the sale of the platform to a third party, overseeing the transition and service continuity

KEY ACHIEVEMENTS

- Scaled platform to 140,000 monthly active users (TowneSquare)
- Secured 7 figures in funding across several projects through technical leadership and product vision
- Promoted to CTO from Chief Blockchain Officer, demonstrating technical and leadership growth
- Founded 4+ successful companies across Web3, fintech, and SaaS sectors
- Designed smart contracts managing all financial transactions for Web3 futures exchange, Dex, and several Blockchain games
- Built cross-chain solutions supporting multiple blockchain networks
- Led development teams delivering production systems from concept to launch

CS:GO Gambling Platforms:
Created three successful online platforms using CS:GO skins as currency.

Crypto Faucet Auto Claimer:
Automates the process of claiming crypto rewards.

LANGUAGES

English

RELEVANT LINKS

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

EDUCATION

Leeds Trinity University
Diploma of Higher Education in Computer Science
SEPT 2019 - APRIL 2023 | Leeds, UK

Runshaw College
BTEC Level 3 Extended Diploma, Computer Science
SEPT 2017 - May 2019 | Preston, UK

Leyland St Mary's Catholic Technology College
GCSE Computer Science, Geography, Engineering, Maths, English, Separate Sciences & Religious Education
SEPT 2011 - May 2017 | Preston, UK