Tom Callaghan

—

FULL STACK DEVELOPER
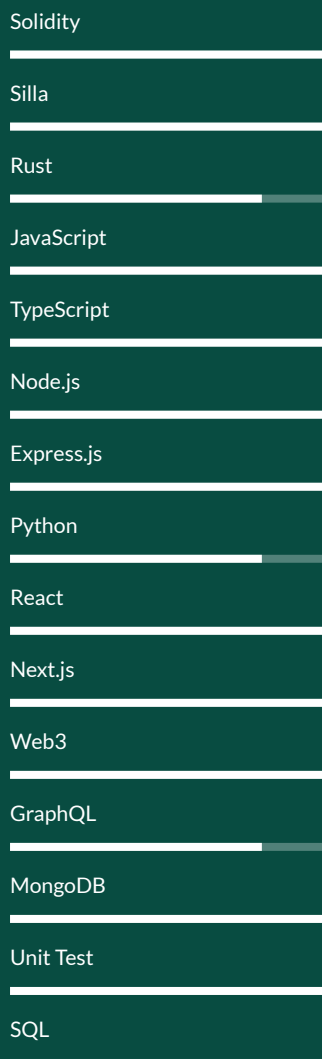
Details

Cork
Ireland
+353 85 808 5223
tomirl2008@gmail.com

Links

LiquidCrypto

Exoworld NFT marketplace

PeleDAO

Skills

Solidity

Silla

Rust

JavaScript

TypeScript

Node.js

Express.js

Python

React

Next.js

Web3

GraphQL

MongoDB

Unit Test

SQL

Profile

A seasoned full stack developer with 8+ years of experience in building innovative and successful blockchain products.

My expertise lies in developing decentralized exchanges (DEX), integrating staking mechanisms and wallets, and creating NFTs.

Prioritize quality and ensure that all products I build are secure, optimized for gas usage, mobile responsive, and high performing.

Pioneered the integration of cutting-edge blockchain technologies into existing 20+ platforms.

Employment History

Full Stack Developer, Upwork, Remote

JANUARY 2024 — PRESENT

- Responsible for backend development using nestjs for a token launchpad on ton network
- Developed a sports betting api and proxy contract to interact with polymarket
- Integrated a cms and nextjs frontend, for a web3 jobs platform.
- Migrated frontend frameworks from react to nextjs

Lead Developer, LiquidCrypto, Remote

MAY 2022 — JANUARY 2024

- Successfully deployed LP token staking smart contracts, integrating with 20+ farming platforms.
- Built Swap+ enabling swaps among 2M+ liquidity pools, optimizing for the best swap routes.
- Developed Bridge utilizing LQDX and 5 other liquidity bridges, enhancing cross-chain transactions.
- Designed and deployed a robust API for a distributed system, resolving bottlenecks and improving server stability by 30%.
- Implemented a mobile-responsive front-end, seamlessly integrating smart contracts and Web3/Web2 wallets, leading to a 20% increase in mobile user transactions.
- Integrated Cloudflare, significantly enhancing server security, reducing DDoS attacks by 40%.

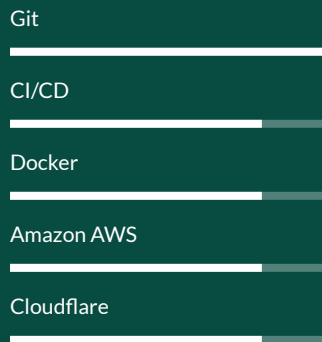### Full-stack Developer, Upwork, Cork

JULY 2021 — APRIL 2022

- Deployed 2 tokenomic smart contracts and 3 NFT marketplace smart contracts.
- Facilitated the launch of 100K+ NFTs and implemented royalty mechanisms in the NFT marketplace
- Developed a staking APY and a new token aggregator
- Scraped sports betting data from 6 sites, improving data accuracy for predictive models by 15%.
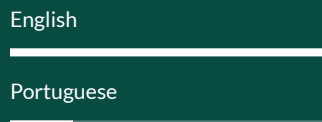
Smart contract Developer, Zilliqa, Remote

AUGUST 2020 — JUNE 2021

- Developed the ZRC-7 standard with Scilla, facilitating interoperability and enhancing smart contract efficiency.
- Built a snapshot and insignia voting DApp, improving governance transparency and user participation.

- Developed the Pele DAO including Tokenomic, DEX, and Time-lock wallet applications, enhancing platform functionality and security.

Full-stack Developer, Xanadu, Cork

AUGUST 2015 — JUNE 2020

- Built 2 websites using MERN and MEAN stacks and a sports betting bot with Django.
- Audited client websites and provided optimization recommendations, enhancing site performance and speeding up load times.
- Conducted comprehensive unit testing with Ts-mocha and K6, ensuring code quality and reducing bugs.
- Dockerized 2 MERN stack and Django applications, streamlining deployment processes and improving scalability.

Education

Software Development and Project managmet, Griffith College, Cork

OCTOBER 2009 — OCTOBER 2013

Degree

Courses

NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno), Udemy

JUNE 2009 — AUGUST 2009

React.js complete guide, Udemy

JANUARY 2010 — MARCH 2010

Solana Blockchain Developer Foundation - Rust and Typescript, Udemy

JANUARY 2024 — MARCH 2024