

# ALEX RAMZHEV

## DEFI ENGINEER



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## SUMMARY

I have extensive experience in developing smart contracts and dApps using Solidity and TypeScript. I have worked on various blockchain-based projects that involved designing, developing, and testing smart contracts, as well as implementing security measures to prevent vulnerabilities and ensure the robustness of the system.

## SKILLS

- Solidity
- TypeScript
- Node.js
- Ethers.js
- Web3.js
- Hardhat
- Foundry
- Forge
- Chai
- Openzeppelin
- Tenderly
- Alchemy
- The Graph
- IPFS
- MySQL
- MongoDB
- Docker
- Slither
- MythX

## EXPERIENCE

### DEFI ENGINEER | TREN FINANCE

February 2024 - April 2025

Tren Finance is the first Liquidity (re)Enabling Protocol bringing capital efficiency to DeFi through composability, powered by Proof-of-Liquidity and Hooks to securely (re)Collateralize LP, Money Market Deposits, and (re)Staked positions. Isolated modules bootstrapped with a synthetic dollar provide on-demand liquidity for leverage and hedging strategies.

My responsibilities include:

- Designed and developed smart contracts:

\* flashloan (simple flashminting in one block and flashminting to repay the debt using collateral);

\* hooks for auto-compounding;

\* interest rate;

\* bad debts redistribution;

- Rigorously tested smart contracts utilizing Hardhat, Foundry, Mocha, Slither, etc., guaranteeing the project's reliability and security.

- Successful completion of Security Audits from the top companies (Omniscia, Zokyo, and Halborn).

- Successfully deployed the project on Arbitrum mainnet.

- Crafted comprehensive technical documentation.

- Developed the appropriate back-end infrastructure and front-end side for interacting with smart contracts using TypeScript, React, Node.js, MongoDB, and The Graph.

## **BLOCKCHAIN DEVELOPER | ASTRABIT**

Sept 2023 - Dec 2023

The project was an automated trading platform with aim to make digital asset trading simple and secure. It is a user-friendly and innovative platform that allows user to trade on multiple exchanges worldwide, either manually or automatically, all from one easy-to-use dashboard.

My responsibilities include:

- Designed and developed smart contracts.
- Proficiently collaborated with protocols and platforms such as Aave, Curve, Uniswap, PancakeSwap, Tectonic, Alpaca, etc.
- Conducted rigorous contract testing (unit and integration) using Hardhat, Ganache and Mocha.
- Crafted comprehensive technical documentation.
- Developed the appropriate back-end infrastructure for interacting with smart contracts using TypeScript, Node.js, MySQL, Redis and Docker.

## **SOLIDITY ENGINEER | LX ROCK**

Jun 2023 - Nov 2023

The project was called LendeXe Finance, a mix of the Lending protocol (based on Compound V2) on one side and the CDP protocol (based on Liquity) on the other side.

My responsibilities include:

- Designed and developed smart contracts.
- Conducted rigorous contract testing (unit and integration) using Hardhat, Ganache, Foundry, and Mocha.
- Crafted comprehensive technical documentation.
- Developed the appropriate back-end infrastructure for interacting with smart contracts using TypeScript, Node.js, MondoDB, and Docker.

## **SOLIDITY ENGINEER | WIREX**

Apr 2022 - April 2023

The project was called Nereus Protocol. It is a decentralized, non-custodial liquidity market protocol in which users can participate as depositors or borrowers. Depositors provide liquidity to the market to earn a passive income, while borrowers can borrow in an over-collateralized (perpetually) or under-collateralized (one-block liquidity) fashion.

My responsibilities include:

- Designed and developed smart contracts (bridging WXT (Wirex Token), depositing, borrowing, staking/locking, and swapping collateral assets).
- Successfully deployed the project on Avalanche and Polygon mainnets.
- Successful completion of Security Audit from one of the top companies (Ambisafe).
- Authored testing protocols that uncovered vulnerabilities in the project.
- Developed scripts that significantly accelerated testing, achieving a fourfold increase in efficiency.
- Contributed to the integration of smart contracts into the frontend components of the project.

## **BLOCKCHAIN DEVELOPER | ONEART**

Nov 2021 - Apr 2022

**The first project is a marketplace for selling futures (ERC20), then futures will be exchanged for unique tokens here (ERC721).**

My responsibilities include:

- Smart contracts development, testing, and deployment (minting, staking, vesting).
- Front-end development using React and JavaScript.
- Back-end development using Node.js, MongoDB, Pinata and GraphQL.

**The second project was a DAO for one e-commerce company.**

My responsibilities include:

- Smart contracts development, testing, and deployment.
- Front-end development using React and JavaScript.

## **SMART CONTRACT DEVELOPER | FREELANCER.COM**

June 2020 - March 2021

- Developing smart contracts for Ethereum, and Polygon blockchains;
- ERC tokens, ICO implementations;
- Blockchain games and gambling dApps;
- Constantly study :)