Aleksey Bykhun

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Profile   VP of Web3 @ Stroom, NFT startup founder, web3 dev since 2018

Skills   Solidity, EVM, React, Nextjs, WebSockets. 10 years in Software.
ERC4626, ERC4337, ERC721A, ERC20, AragonDAO, OpenZeppelin (Upgradeable), Foundry, Hardhat, zkSync Era, LayerZero, Omni Protocol, Bitcoin smart contracts, Lightning Network, IPFS / Backend: Go, NodeJS, Typescript, bun, puppeteer, AWS, Redis, Postgres / Frontend: React, NextJS, tailwind, daisyui

Work   **VP of Web3** / Solidity, React, Go / Stroom.network – Apr 2023 – Current
- Built and integrated Ethereum for BTC-stBTC bridge using ERC4626 and Foundry, achieving 100% test coverage and processing over 10,000 transactions bridging testnet BTC.
- Developed Stroom DAO with ve(3,3) rewards model using Aragon DAO framework.
- Led UI/UX team to launch a staking app with 2.5k daily active users

CTO/Hardtech/Founder Artgene.xyz (ex Buildship) – Dec 2022 – Jan 2024
- Co-founded a generative art marketplace, 26,000 artworks minted on Ethereum, Base and zkSync Era
- Engineered a pipeline processing 100+ chrome tabs per minute for real-time artwork rendering
- Integrated ERC4337 smart accounts and LayerZero bridge
- Secured grants from zkSync, partnerships with LayerZero, Element.market

CEO/Founder / Smart-contracts / Buildship.xyz – Aug 2021 - Dec 2022
- Developed a cutting-edge no-code NFT launcher, leveraging ERC721A, Factory, and Proxy pattern to slash creation costs by 20x. Facilitated launch of 400+ NFT collections, totaling $10M in volume
- Received grants from Polygon, NEAR

CPO / UI/UX Engineer xSigma – September 2020 – December 2021
Developed the UI/UX for a stablecoin DEX, managing design specs and development; processed $150M in stablecoin deposits. Conducted internal audit for smart contracts handling $1B+ in volume

CEO/Founder GramUp – December 2019 – June 2021
Transformed a hobby project into a business, developing an open-source Chrome extension with 3,000 DAU. Led sales and customer support, creating a cross-promotion community

CTO, Swap.online – Apr 2018-May 2019
Developed cross-chain market-making bot (nodejs, ipfs-pubsub) and Lightning Network to ERC20 swap prototype in Golang. Achieved first trustless cross-chain swap USDT (Omni) to ETH. Attracted 30k views on a live-streamed explainer

Run a Non-profit Coffeeshop at campus – 2015-2018
Grew customer base by 5x, managing a team of 15 and increasing turnover from zero to $3,000/month

Part-time / Freelance – 2014-2017
Developed modern html5 video player at lectoriy.ru for 4000 students. Contributed to multimedia production and pipeline optimization at MIPT Online. Created a secure iOS crypto wallet flightwallet. Enhanced media transparency with Morejust.media, selected into Winno Moscow accelerator

Education   MIPT, Russia – Masters in Physics and CS, 2018
Master's: Atomic swap between Blockchains. Bachelor's: Focused on massless cosmic strings in General Theory of Relativity

Achievements

Public Speaking: Anchored MIPT live streams with up to 2k live viewers, totaling 150k
Video Production: Established Phystech.tv, a 24/7 student channel; directed three short films
Awards: Achieved Silver in National High School Physics Olympiad
Meditation: Dedicated practitioner of Vipassana, achieved stream-entry
Music: Performer on piano and guitar, vocalist