

# Aleksey Bykhun

Toronto, Canada

+38 073 269 4336

aleksb@duck.com

[github.com/cafeinum](https://github.com/cafeinum)

[me.bykhun.com](https://me.bykhun.com)

Profile	VP of Web3 @ Stroom, NFT startup founder, web3 dev since 2018
Skills	Solidity, EVM, React, Nextjs, WebSockets, Chrome extensions. 10 years in Software. ERC4626, ERC4337, ERC721A, ERC20, AragonDAO, OpenZeppelin (Upgradeable), Foundry, Hardhat, zkSync Era, LayerZero, Omni Protocol, Bitcoin smart contracts, Lightning Network, IPFS / Go, NodeJS, Typescript, bun, puppeteer, AWS, Redis, Postgres / React, NextJS, Chakra, tailwind, daisyui
Work	<p>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 tBTC. 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</p> <p>Founder / Hardtech / 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 rendering. Integrated ERC4337 smart accounts and LayerZero bridge. Secured grants from zkSync, partnerships with LayerZero, Element.market</p> <p>Founder / Smart-contracts / Buildship.xyz – Aug 2021 - Dec 2022 Established a popular no-code NFT launcher, reducing creation costs by 20x with ERC721A, Factory and Proxy pattern. Small creators launched 400+ NFT collections with a total volume of \$10m. Received grants from Polygon, NEAR</p> <p>CPO / UI/UX Engineer xSigma – September 2020 – December 2021 Developed the UI/UX for a stablecoin DEX, overseeing specs, design, with \$150m in stablecoin deposits processed. Conducted internal audits for contracts handling \$1bn in volume. VueJS</p> <p>CEO / Founder GramUp – April 2020 – 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</p> <p>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</p> <p>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</p> <p>Part-time / Freelance – 2014-2017 Developed modern html5 video player at <a href="https://lectoriy.ru">lectoriy.ru</a> 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</p>
Education	<p>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</p>
Achievements	<p>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</p>