Alexander Shevtsov

Software Engineer

Email:	randomlogin76@gmail.com
Location:	Paris, France
Website:	yyyyy.io

Recent Work Experience

Software Engineer *2024 – 2025*

Impervious Inc., Spaces Protocol — Bitcoin-native PKI and digital identity protocol

- Built the block explorer from scratch: real-time auction tracking, bid history, mempool monitoring, and protocol statistics (3400+ registered names, 150M+ satoshis burned).
- Developed Spaces Marketplace — a secondary market for buying and selling protocol identities.
- Built atbitcoin.com — a self-sovereign identity platform where users register censorship-resistant handles anchored as Bitcoin UTXOs, with integrations for payments, Nostr, and DNS. Integrated payment services accepting BTC and Google/Apple Pay.
- Contributed to Nacho, a mobile wallet app using atbitcoin as its web backend.
- Managed DevOps infrastructure: deployment pipelines, cloud hosting, monitoring across all projects.

Software Engineer *2020 – 2024*

Handshake — Decentralized, permissionless naming protocol (alternative to DNS/CA system)

- Contributed to the Handshake node (hsd) and protocol development.
- Built a full-stack block explorer (Go backend + TypeScript frontend) and a web wallet.
- Implemented SANE — a stateless DANE TLS client in Go: local DNSSEC validation, Urkel tree proof verification, and proxy-based certificate issuance for Handshake domains.

Web3 Developer *2021 – 2023*

Various projects

- API development for a hardware blockchain wallet; launched speculative NFT projects on Ethereum (Exponentials, Logarithms).
- Smart contract development, GPU mining with CUDA, on-chain sale participation tooling.

Earlier Experience

Security Analyst, FutureComes *2019 – 2020*
Security audits for web and crypto projects: wallets, exchanges, cryptographic implementations.

Smart Contract Developer, Dexpa.io *2019*
Ported Ethereum smart contracts to the TON blockchain.

Technical Consultant, Array.io *2017 – 2018*
Research group for a new blockchain built on BitShares/DPOS. Cryptography consulting, consensus design.

Executive Officer, Jury.online *2017 – 2018*
Whitepaper creation, smart contract development, conference presentations, team leadership.

Education

Master's in Mathematical Logic and Foundations of Computer Science *2021 – 2022*
Université Paris Cité
Thesis: Algorithmic Randomness (supervised by Alexander Shen).

Master's programme in Mathematics *2018 – 2019*
HSE Faculty of Mathematics, Moscow

Specialist's degree in Mathematics *2012 – 2016*
Belarusian State University
Thesis: Density of Cartan subalgebras in the variety of abelian subalgebras of semisimple complex Lie algebras.

Skills

Languages: Go, Python, JS/TS, Solidity, Rust, LaTeX
Infra: Docker, AWS, GCP, Linux, Git
Domains: Blockchain, Cryptography, Security, DevOps