ALIAKSANDR SHAUTSOU

PERSONAL INFORMATION

31 years old

email	randomlogin76@gmail.com
website	yyyyy.io
location	Paris, France

BIO

WORK EXPERIENCE

	2025	Software engineer
Spaces Protocol	Bitcoin-native PKI protocol. Development of block explorer, marketplace, mobile apps; DevOps.	
	2024	Software engineer
Handshake	Open source implementation of stateless DANE protocol for Handshake	
	2021–2023	
Web3 projects	API development for youba hardware wallet, infrastructure for various NFT projects, smart contract development, sales organization, fullstack webdev.	
	2020–2021	
Handshake	Developer for the blockchain-based open and free alternative for Domain Name System. Working on the node, web wallet and blockchain explorer.	
	2019–2020	Security Analyst
FutureComes	Security audits for internet projects: testing network security, personal data leaks, correction of implementation of cryptographic algorithms and blockchain protocols.	
	2019	Smart contract developer
Dexpa.io	Porting Ethereum smart contracts to the TON blockchain. Communicating with TON labs for testing and debugging TON blockchain SDK.	
	2017-2018	Technical Consultant
Array.io	Participating in the working group on the creation of the new blockchain. Consulting about cryptography usage, modifying the consensus algorithm and the work of virtual machine, constructing built-in name service, implementing backward compatibility with Ethereum smart contracts.	

2017-2018   ## Executive officer and software architect

Jury.online

Responibility: whitepaper creation, smart contract development, pitching and presenting project, leading the team of developers, communication with investors, clients and partners.

Summer 2015   ## Intern

Belarusian Academy of Sciences

University internship at Institute of Mathematics.
Supervisor: Yanchevski I. Vyacheslav.

2012-2016, 2019   ## Freelancer

Small web projects: maintenance of cryptographic ruby gem, proof-of-concept implementations, smart contract creation, consulting.

EDUCATION

2021-2022   ## Université Paris Cité

Master's in Mathematical Logic and Foundations of Computer Science

Theoretical computer science and logic, foundations of mathematics. Master's thesis about Algortihmic Randomness and Kolmogorov Complexity.

2018-2019   ## Higher School of Economics

Master's programme in Mathematics

I was studying quantum physics, differential geometry, algebraic geometry, linguistics, Lie theory, model theory, category theory.

2012-2019   ## Independent University of Moscow

Took courses in algebra, geometry, algebraic number theory, combinatorics, cosmology, symbolic dynamics, topology.

2012-2016   ## Belarusian State University

Specialist's degree in Mathematics

Took courses in abstract and applied mathematics: computer science, discrete mathematics, algorithms, cryptography, mechanics, algebra, topology, geometry, differential equations, functional analysis, complex analysis.
Thesis: *Density of Cartan Subalgebras in the Manifold of Abelian Subalgebras of Semisimple Complex Lie Algebras.*
Term paper: *Application of Seifert—van Kampen Theorem to the Knot Theory.*

2011-2012   ## Moscow Institute of Physics and Technology

Department of General and Applied Physics

Took courses in general physics and its mathematical foundations: linear algebra, mathematical analysis, differential equations.

EDUCATIONAL ARTICLES

2022   Memoire about Algorithmic Randomness

2016   Educational articles about cryptographic primitives:

AES

Hashing algorithms

Diffie-Hellman key exchange

Pseudo-random number generators