

Vladyslav Priadko

Senior Blockchain Researcher and Backend Engineer

SUMMARY

Software engineer with over 5 years of development experience, specializing in blockchain platforms, DeFi, and DApps. Demonstrates expertise in Ethereum ecosystem (DEX/CEX integrations, GameFi, lending, RWA, wallets, ZK systems), and diverse blockchain technologies such as Bitcoin, Stellar, and StarkNet. Key competences include Solidity development, smart contracts audit, crosschain NFT systems, and proposing standards like ERC-8006. Possesses advanced knowledge in backend engineering utilizing technologies like Node.js, Python, and .NET, with a strong foundation in computer science from Kharkiv National University of Radioelectronics. Skilled in Full SDLC, devises encryption solutions (zk-proof, homomorphic), and excels in developing auxiliary tooling and technical documentation. Active in OSS, contributing to security (Slither, Echidna, Manticore, Mythril) and infrastructure projects (AWS, DigitalOcean, Heroku).

TECHNICAL SKILLS

Main Technical Skills	Solidity (6 yr.), EVM (5 yr.), NestJS (6 yr.), Zero Knowledge (3 yr.), TypeScript (6 yr.)
Programming Languages	antlr4, Solidity (6 yr.), TypeScript (6 yr.)
JavaScript Frameworks	Express, NestJS (6 yr.)
Data Analysis and Visualization Technologies	QGIS
Databases & Management Systems / ORM	AWS DynamoDB, SQL
UI Frameworks, Libraries, and Browsers	Semantic UI
Cloud Platforms, Services & Computing	AWS, DigitalOcean, Heroku
Amazon Web Services	AWS DynamoDB, AWS EC2, AWS Route 53
BlockChain and Decentralized Software	Bitcoin Blockchain, EIP, elliptic cryptography, EVM (5 yr.), Hardhat, Stellar, Yul
Scripting and Command Line Interfaces	CLI
QA, Test Automation, Security	Cybersecurity, Encryption

SDK / API and Integrations	GraphQL, JWT, OAuth
Mail / Network Protocols / Data transfer	JSON-RPC, JWT
Methodologies, Paradigms and Patterns	microservices, REST, SOLID (5 yr.)
Project Management & Administration	Project Management
Other Technical Skills	EVM networks, gRPC, Mythril, RDS, SDK, Slither, Starknet

WORK EXPERIENCE

Blockchain R&D, Cryptography-backed Token Distribution Systems

Duration: 2023-2025

Summary: Blockchain-based token distribution system development with a focus on zero-knowledge proofs and metaprogramming tools.

Responsibilities: Research and development in cryptography with a strong focus on zero-knowledge proofs and ZK-first systems, extensive investigation of Ethereum Improvement Proposals, and development of auxiliary tools like SDKs and CLIs.

Technologies: ZoKrates, Circom, EIPs, Metaprogramming, Compilers, DSLs, SDKs, CLIs

Blockchain Engineer, Crosschain NFT Rental System

Duration: 2022

Summary: Designed and implemented a crosschain NFT rental system and universal policy engine integrated with major blockchain technologies.

Responsibilities: Engineering of crosschain NFT rental system, Bitcoin ports, policy engine and transaction enforcement, integration with ImmutableX, StarkNet/StarkEx, and zkEVM.

Technologies: Bitcoin, ImmutableX, StarkNet/StarkEx, zkEVM

Senior Solidity Developer, DeFi Platforms and Smart Contracts

Duration: 2021-2022

Summary: Contributed to the design and audit of DeFi platforms, with emphasis on lending platform development and smart contracts management.

Responsibilities: Role included design and audit of DeFi platforms, smart contracts development and audit, wallet system and lending platform development, cross-chain bridge maintenance and development.

Technologies: Solidity, Smart Contracts, Cross-chain Bridges, Security Audit, Testing

Lead Backend Engineer, DeFi Aggregation Platform

Duration: 2020-2021

Summary: Led backend team in developing a DeFi aggregation platform, with a focus on system design, microservices, and smart contracts.

Responsibilities: Leading the backend team, co-developing smart contracts, creating microservices architecture, and engaging in customer interactions.

Technologies: Microservices, Smart Contracts, System Design, Mentoring

Fullstack Engineer, CeFi Platform Development

Duration: 2020

Summary: Fullstack engineering role with a focus on CeFi platform development including frontend and backend work and tokenomics design.

Responsibilities: Development of CeFi platforms, E2E testing, and involvement in Stellar modular development, decentralisation strategies & tokenomics design.

Technologies: Frontend, Backend, Stellar, E2E Testing, Decentralisation, Tokenomics

Fullstack Engineer, Exchange Platform Development

Duration: 2020

Summary: Fullstack engineering role in exchange platform development focusing on database and server architecture, in addition to frontend tasks.

Responsibilities: Helping in exchange platform development, database design, server architecture, and frontend development tasks.

Technologies: Frontend Development, Backend Development, Database Design, Server Architecture

Fullstack Developer, Various Fullstack Projects

Duration: 2019-2020

Summary:

- Freelance fullstack development focusing on backend Node
- js, Python applications, and
- NET WPF/WinForms desktop apps

Responsibilities: Independent fullstack development jobs, creating backend systems with Node.js, Python applications including ML, bots, visualization, and .NET desktop app development.

Technologies: Node.js, Python, .NET, WPF, WinForms

EDUCATION

- **Kharkiv National University of Radioelectronics**
- Bachelor degree in Computer Science, Software Engineering Department (2018 - 2022), Master of Science (2022 - 2024), Philosophy Doctor (2025 - 2029)
- 2018 - 2029

