

Ivan Leskov

Blockchain engineer

*ivan.leskov@protonmail.com | <https://www.linkedin.com/in/ivan-leskov/>
Legnica, Lower Silesia, Poland | +48731121075*

Blockchain Fullstack Solidity Engineer experienced in smart contract development, gas optimization, and security. Technical reviewer for the book 'Developing Blockchain Solutions in the Cloud' with a proven track record of delivering efficient, secure, and scalable blockchain applications. Passionate about continuous learning and committed to advancing high-quality blockchain solutions.

Work Experience

Blockchain Engineer | Full-Stack Developer

Feb 2024 - Feb 2025

Stacknova

Prepared a multi-chain presale across eight EVM-compatible blockchains for Bitcoin AI Launchpad solution and developed Ethereum-based smart contracts using Solidity and TypeScript. Integrated backend systems with a scalable database and delivered a user-friendly frontend interface for the dApp.

- Defined technical requirements and led the delivery of a presale campaign across eight major EVM-compatible blockchains, defining a working model and comprehensive development plan, adopting a well-rounded strategy, ensuring seamless multi-chain integration and interoperability across all platforms while taking a hands-on approach to troubleshoot integration challenges in real time.
- Implemented a secure oracle system to fetch and verify off-chain data by adhering to coding standards and best practices, ensuring reliable price feeds. Additionally, implemented a payment settlement system by integrating card payments alongside on-chain methods for comprehensive transaction support.
- Developed and deployed smart contracts and decentralized applications (dApps) using programming languages such as Solidity programming language and TypeScript, supporting robust and secure functionality across Ethereum-based ecosystems and distributed systems.
- Led technical design and implementation of backend systems with a scalable and secure database integration for blockchain data handling and API development, delivering a seamless connection to a user-friendly frontend interface for the dApp, leveraging cutting-edge technologies, performance and resilience.
- Implemented advanced caching mechanisms using Node.js and JavaScript, reducing average page load times by 35%, and improving state management across the dApp.
- Integrated Continuous Integration CI/CD pipelines using GitHub Actions, automating testing and deployment workflows for Ethereum-based smart contracts using Agile methodologies to enable seamless integration, which reduced deployment times and minimized manual errors through iterative development and continuous feedback.
- Created technical presentations and demos to illustrate the security features and performance benefits of the implemented dApp, enhancing internal understanding of complex technical solutions.
- Produced comprehensive technical documentation and user guides for the presale dApp, leveraging strong technical writing skills with communication skills. Provided technical guidance during design reviews, ensuring seamless integration and efficient system performance.
- Applied leadership, problem solver and analytical skills, and professional development best practices to proactively troubleshoot and resolve complex issues, driving innovative solutions and reducing project downtime by 20%.

Reviewed the book “Developing Blockchain Solutions in the Cloud”, improving 15+ chapters with 30+ code corrections aligned with AWS, Azure, Hyperledger, and Ethereum standards. Validated cloud-based blockchain architectures using expertise in smart contracts, distributed systems, and cryptography.

- Served as a technical reviewer for the book “Developing Blockchain Solutions in the Cloud”, providing feedback that improved the accuracy and technical depth of over 15 chapters, covering a range of topics from blockchain architecture to cloud services integration.
- Suggested over 30 code corrections and content enhancements, helping to refine the implementation details and ensuring examples were aligned with industry standards such as AWS, Azure, Hyperledger, Cloud Infrastructure and Ethereum best practices.
- Validated cloud-based blockchain architectures using expertise in smart contracts, distributed systems, and cryptography, demonstrating deep understanding of consensus mechanisms such as PoS (Proof of Stake), PoW (Proof of Work), and BFT (Byzantine Fault Tolerance) to ensure the content's accuracy.

Blockchain Developer

Nov 2023 - Feb 2024

Aetlas

Developed an upgradable DeFi system using Solidity where I built an ERC20-compliant token pool that manages deposits, redemptions, and cross-chain bridging for carbon offset tokens. The protocol integrates advanced features like dynamic pricing through a weighting mechanism - which calculates project token prices based on attributes such as region, standard, and methodology. I implemented extensive security and access control and whitelisting/blacklisting.

- Designed core development logic for multi-asset AMM pools in the DeFi carbon market, leveraging information technology best practices, reducing slippage by 15% and ensuring stable pricing through the integration of cryptocurrency algorithms for efficient data validation and transaction processing.
- Engineered an AMM protocol leveraging Balancer's spot and effective price formulas, promoting technological advancement in the carbon market and ensuring a robust conceptual architecture for stable pricing even with significant asset inflows, even under a 20% variation in asset inflows.
- Guided an external multidisciplinary team and participated in the Chainlink Hackathon, where we researched complex systems and implemented a wrapped MRV standard using cryptographic techniques. Delivered presentations on technical findings, enabling oracle integration, and compliance with carbon methodologies.
- Collaborated with the founding team to ensure that the protocol's logic aligned with both environmental and financial objectives to support business objectives, supporting transparent and efficient carbon credit trading.
- Demonstrated a growth mindset, management skills and strong curiosity by researching emerging blockchain protocols and applying performance optimization techniques, ensuring efficient smart contract execution and integrating the latest advancements in smart contract security.

Blockchain Engineer

Oct 2022 - Jan 2024

BlockTrust

Developed NFT smart contracts generating revenue per auction, improved modularity by 40% using Diamond Proxy, and optimized gas usage by 25%. Created Ethereum-based certificates of authenticity for the firearm collection market, supporting charity initiatives through NFT sales.

- Designed and developed NFT smart contracts for collectibles within the Ethereum Virtual Machine (EVM), continuously exploring new technologies solutions to drive innovation software development and enhance contract functionality, resulting in a solution that consistently generated significant revenue per auction round.
- Led Research & Development efforts on NFT contract architectures, technical design and system implementation, research projects and various proxy patterns and gas optimization methods using Open Source Tools, which resulted in a 40% improvement in modularity and long-term scalability.
- Delivered a rapid MVP solution and proof of concept for an Ethereum-based NFT auction platform for a major client in the industry, demonstrating abstract thinking, creativity, while demonstrating a strong sense of responsibility and the ability to adapt quickly

- Contributed to charity initiatives by leveraging Ethereum-based blockchain technology to create and sell certificates of authenticity (NFTs) that supported humanitarian efforts.
- Optimized smart contract gas consumption by 25% through system design, efficient data structuring and reduced storage operations, lowering overall transaction costs
- Collaborated across multiple cross-functional teams, demonstrating strong teamwork and collaboration skills and the ability to effectively communicate complex technical concepts, actively contributing to project planning sessions, mentoring junior developer, and promoting a collaborative environment to solve challenging technical issues.

Solidity developer

May 2022 - Oct 2022

1000Geeks

Integrated blockchain components using microservices architecture, reducing deployment times by 15%.

Supported multiple NFT projects with smart contract development, ensuring system compatibility. Collaborated on gas optimization using best practices, reducing average gas consumption per transaction by 10%.

- Integrated blockchain components using a microservices architecture, ensuring scalable and efficient solutions across the company's infrastructure and reducing deployment times by 15%.
- Supported the launch of several NFT projects, implementing efficient version control systems and following industry best practices.
- Collaborated with senior developers to implement gas optimization techniques, reducing the average gas consumption per transaction by 10%.
- Participated in peer code reviews to ensure alignment of technical solutions with business requirements, adhering to development processes and maintaining high code quality standards.

Projects

TechnoirClub Marketplace

Jan 2022 - Mar 2023

A collection of unique NFT mutant robots featuring an interactive frontend interface and marketplace. Each robot can be modified and reassembled to create entirely new configurations using interchangeable parts, offering over 999 trillion potential combinations for collectors and enthusiasts.

LeskoDEX

Nov 2021 - Mar 2023

LeskoDEX is a decentralized exchange (DEX) featuring a decentralized order book and a custom ERC-20 ESKO token. Users can seamlessly connect via Metamask to trade the ETH/ESKO pair. The platform includes an integrated charting tool for comprehensive technical analysis.

LIQUID-DEX

Dec 2023 - Jan 2024

LIQUID Decentralized Exchange: Built on the Stacks ecosystem for STX/LIQ trading, utilizing the LIQUID SIP010 token and developed in Clarity for enhanced security. Users can connect, trade, and manage liquidity with advanced wallet integration and comprehensive trading features.

Volunteer Experience

Blockchain Developer

Apr 2023 - May 2023

BlockTrust

Developed a smart contract for the 'WhiteLion' Firearm Collection (Certificates of Authenticity). The 'WhiteLion' Colt firearm was gifted by Czech President Petr Pavel to Volodymyr Zelensky, and its NFT (#23) was auctioned, raising funds for humanitarian aid in Ukraine.

Core Skills

Blockchain, Ethereum, EVM, Solidity, Hardhat, Foundry, ethers.js, Decentralized Finance, SQL, NoSQL, Back-End Development, Front-End Development, Database Management, Computer Science, Integration Tests, Git, CSS, Python, Flask, Typescript, Javascript, React.js, Next.js, Leadership, Unit Tests, Ambitious, Self-Motivated, Determined, Attention To Details, Focused

Languages

English (*Professional*), **Polish** (*Fluent*), **Ukrainian** (*Native*), **Russian** (*Fluent*)

Certificates

CS50 <i>Harvard University</i>	Apr 2023
Algorithmic Trading & Technical Analysis <i>Moralis Academy</i>	Apr 2023
Ethereum Smart Contract Security <i>Moralis Academy</i>	May 2022
Ethereum Smart Contract Programming <i>Moralis Academy</i>	May 2022
Chainlink Programming <i>Moralis Academy</i>	May 2022
Ethereum DAPP Programming <i>Moralis Academy</i>	Apr 2022
Ethereum <i>Moralis Academy</i>	May 2022
Blockchain Developer Bootcamp <i>DAPP University</i>	Apr 2022

Publications

Developing Blockchain Solutions in the Cloud
Packt

How Blockchain Developers Are Getting Hacked: The Hidden Threats We Overlook
Block Magnates

Solidity Style Guide (Part I)
Block Magnates

Solidity Style Guide (Part II)

Coinsbench

The Importance of Test-Driven Development (TDD) in Smart Contract Development

Coinsbench