

# Ilya Shlyakhovoy

Remote (EMEA, Bulgaria based)

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## Profile

Accomplished CTO, Team Lead, and Senior Fullstack/Web3 Developer with 28+ years of software engineering experience and 10+ years in leadership roles. Specialized in blockchain, DeFi, and distributed applications. Proven ability to lead teams, deliver scalable solutions, and drive digital innovation using modern technologies such as Solidity, JavaScript/TypeScript, Node.js, React, and Docker. Strong communicator with deep knowledge of Agile methodologies.

## Technical Skills

- **Languages:**
  - Solidity,
  - Node.js,
  - TypeScript,
  - JavaScript,
  - Go,
  - Rust
  - Erlang
- **Frameworks/Libraries:**
  - React,
  - Vue.js,
  - MobX,
  - Pinia,
  - Koa,
  - Apollo,
  - OpenZeppelin
- **Databases:**
  - MySQL,
  - PostgreSQL,
  - MongoDB,
  - GraphQL
  - Clickhouse
- **Query brokers:**
  - RabbitMQ

- **Architecture:**
  - Microservices,
  - MVC,
  - Distributed systems
- **DevOps:**
  - Docker,
  - Linux,
  - Bash scripting,
  - CI/CD
- **Testing:**
  - Mocha,
  - Jest,
  - TDD
- **Other:**
  - CSS/SASS/Less,
  - Pixel-perfect UI,
  - Webpack,
  - Gulp,
  - Electron,
  - REST & WebSocket APIs

## Professional Experience

### LetterOfCredit — CTO

*AUG 2024 – MAR 2025*

- Designed a distributed, microservices-based architecture with blockchain integration; achieved 99.9% uptime and processed 100,000+ transactions in 6 months.
- Built and deployed automated testing and CI/CD pipelines, reducing release cycles by 40% and critical defects by 60%.
- Maintained full compliance with cybersecurity and financial regulations; passed all audits.
- Developed smart contract-based financial products, automating 85% of transaction verification.
- Providing the internal audit of the smart contracts made by team.

### Scalia Infrastructure — CTO

*APR 2024 – JUL 2024*

- Created a blockchain architecture supporting 99.5% uptime and 10,000+ concurrent users.
- Rebuilt backend with TypeScript, Node.js, Docker, and MongoDB; improved transaction capacity by 40% and reduced latency by 15 ms.
- Refactored legacy codebase to boost maintainability.

### Overnight Finance — Full Stack Senior Developer

*FEB 2024 – APR 2024*

- Improved maintainability and performance of project codebase by 25%.

- Developed and shipped new smart contract features, increasing deployment speed by 30%.
- Scaled backend infrastructure to support 20% user growth.
- Processing the internal cross-audit of the smart contracts.

**Peer Instant** — Development Lead

*MAY 2023 – JAN 2024*

- Built frontend and backend for a P2P crypto exchange Telegram app, supporting 20,000+ daily transactions.
- Redesigned onboarding, cutting time-to-activation by 50% and increasing user engagement by 30%.
- Improved delivery velocity with Agile sprints, raising sprint completion rate by 25%.

**Zionodes** — CTO & Smart Contracts Developer

*MAY 2021 – MAY 2023*

- Managed a 15-member team for a mining device trading platform, processing \$10M+ in transactions in the first year.
- Reduced software bugs by 40% through systematic code reviews and automated tests.
- Delivered all project milestones on schedule using TypeScript, React, Next.js, Node.js, and Docker.

**Core group** — Smart Contracts Developer, Blockchain group lead

*SEP 2019 – MAY 2021*

- Designed and led the development of a set of smart contracts using Solidity for tokenizing and distributing personal data via blockchain.
- Developed a set of smart contracts using Solidity for documenting interbank interactions.
- Managed the smart contract developers and provided internal code audits for the contracts.
- Worked on more than 10 different ERC-20-based token implementations using Solidity.

**Iconic** — Fullstack developer, Smart Contracts Developer

*SEP 2017 – JUNE 2019*

- Developed the pilot version of the frontend and the smart contracts for the carriage monitoring system for the Russian Railways using Solidity and React.
- Developed the smart contracts, frontend and backend for the pilot of the Murmansk sea harbor using the Solidity, React, Node.JS, MongoDB.

## **Open Source Projects & Community Activities**

GitHub: [github.com/bgrusnak](https://github.com/bgrusnak)

- LaserGun - <https://github.com/lasergun-protocol>  
The ZK-based funds transfer protocol without revealing of transfer chain.
- Flarepipe  
<https://github.com/bgrusnak/flarepipe>  
Built a Cloudflare Workers-based tunnel for local development, enabling secure and efficient access to local environments from anywhere.
- Clotic  
<https://github.com/bgrusnak/clotic>  
Developed a serverless Telegram bot platform leveraging Cloudflare Workers and Workflows for scalable, low-maintenance bot deployment.
- ConSEAderation  
<https://github.com/bgrusnak/conseaderation>  
Designed a fully self-sustaining floating platform project for 15 people, featuring closed-loop energy, water, food, and material systems for long-term autonomous life at sea.
- stravidom-boilerplate  
<https://github.com/bgrusnak/stravidom-boilerplate>  
Published a Dockerized boilerplate for building Telegram miniapps with Strapi v4, Vue 3, Ionic, Postgres, and Nginx, streamlining miniapp development.
- solp  
<https://github.com/bgrusnak/solp>  
Created “solp,” a Solidity macro preprocessor to enable advanced contract code reuse and modularity.

## Publications

Medium (as Dr. DeFi Gonzo):

<https://medium.com/@ilyacat>

Author of satirical and analytical articles on DeFi and blockchain, engaging thousands of readers monthly.

## Projects & Continuous Learning

- Created “The Rug Pull Gazette,” an AI-powered satirical newspaper, using OpenAI API (2025).
- Ongoing studies and hands-on work in AI-based Telegram bot development.

## Education

**Moscow State University of Electronics and Mathematics**

Moscow, Russia

## **Additional Information**

- Languages: English (professional), Russian (native), Bulgarian (fluent)
- Experience with SCRUM and Agile project management
- Open to remote and international opportunities
- Strong communication and team leadership skills
- Fluent in Agile/SCRUM methodologies
- Fast learner, adaptable to new technologies and environments