

Arthur Galiullin

Solidity / Protocol Engineer — Warsaw, Poland (Remote)

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Protocol engineer with 3+ years of hands-on Solidity development and 8 years in production engineering. Shipped a perps DEX from testnet to mainnet launch, built a multi-asset lending protocol, and integrated on-chain referral and funded trader systems. Twice a hackathon prize winner (ETHGlobal Prague, ETHWarsaw). Comfortable across the full stack but strongest at smart contracts and protocol design. Heavy LLM-assisted workflow — shipping fast matters.

WORK EXPERIENCE

Protocol Engineer — Overlay Protocol

May 2024 – May 2025

Exotic perps DEX on BSC (\$2.9M raised, Polychain Capital, 1kx, ParaFi; audited by Spearbit, Trail of Bits, Nethermind). One of 6 core engineers through testnet to TGE.

- **Shiva Router Contract** — Contributed to a proxy router wrapping the protocol's immutable core contracts, enabling the funded trader system. Upgradeable proxy, verified on-chain. 27,000+ transactions processed.
- **On-Chain Referral System** — Integrated referral contract with off-chain signed messages and Merkle tree-based verification, connecting to on-chain state.
- **Funded Trader System** — Built sponsored trader program using Safe multisig wallets with Zodiac modules, enforcing fund usage constraints. Added stop-loss mechanism: off-chain monitoring detects drawdown threshold breaches, programmatically closes all positions and pauses the Safe account.
- **Leaderboard & Trading Competitions** — Seasonal leaderboard system (Node.js, MongoDB) tracking trader performance. Extended into competition platform with filters for market, minimum collateral, and position lifetime.
- **Subgraph** — Extended protocol subgraph (TypeScript) with queries and handlers for leaderboard, competitions, referrals, and position data.

Stack: Solidity, Foundry, Safe, Zodiac, TypeScript, Node.js, MongoDB, Ethers.js, The Graph

Solidity Developer — KUMO

Mar 2022 – Jan 2024

Lending protocol secured by carbon credits. Selected for ABN AMRO + Techstars Future of Finance Accelerator; built and launched a pilot with ABN AMRO. One of 2 Solidity developers.

- Evolved the protocol from a Liquity fork to support **multiple collateral assets** with governance-controlled risk parameters.
- Redesigned tokenomics to remove the protocol token while preserving system incentives — simplified economics without breaking existing functionality.
- Integrated Chainlink and Tellor oracle feeds for multi-source price validation, reducing reliance on any single oracle.
- Implemented the **Diamond Pattern (EIP-2535)** for upgradeable, modular contract architecture.
- Wrote comprehensive test suites (Chai, Mocha) and custom Hardhat tasks for deployment and monitoring.

Stack: Solidity, Hardhat, Chainlink, OpenZeppelin, Diamond Pattern, UUPS, Ethers.js

Ruby on Rails Developer

2016 – 2022

6 years of backend and full-stack engineering across multiple companies and products.

- **Flatstack / Galvanize** (2020–2022) — Enterprise GRC platform. Built public API, async processing pipelines, performance optimization (N+1 fixes). Production monitoring with DataDog and Airbrake. AWS Lambda, Terraform, ECS.
- **meyvn** (2018–2020) — HR platform for US/EU market and news scoring engine. Led migration from monolithic Rails to React SPA + Rails API backend. Integrated Azure Cognitive Services for ML-powered language features.

– **Technokratos** (2016–2017) — Virtual goods marketplace and photo album service. Built REST APIs, PDF generation, face detection via OpenCV for smart image cropping.

Stack: Ruby on Rails, PostgreSQL, React, TypeScript, RSpec, AWS (Lambda, ECS, Terraform), Sidekiq

HACKATHONS

StreamAid — ETHGlobal Prague 2025 (Solo) — **Prize Winner** (LayerZero General Prize)

Cross-chain crypto donations for livestream creators. Built in 36 hours. Solidity, Express.js, Next.js, LayerZero.

InSure — ETHWarsaw 2025 (Team) — **Prize Winner**

On-chain insurance platform with automated claims and verification. Solidity, Foundry.

SKILLS

Protocol: Solidity, Foundry, Hardhat, EVM, UUPS, Diamond Pattern, OpenZeppelin, Safe, Zodiac

Backend: TypeScript, Node.js, Ruby on Rails, PostgreSQL, MongoDB, REST APIs, The Graph

Infra: AWS (Lambda, ECS, Terraform), CI/CD, Git

EDUCATION

M.Sc. Computer Software Engineering — KFU, Institute of Information Technology (2018–2020)

B.Sc. Applied Informatics — KFU, Institute of Information Technology (2014–2018)

LANGUAGES

Russian (Native) · English (Professional) · Polish (Basic, learning)

[Shiva Router — BscScan](#) · [StreamAid — GitHub](#) · [InSure — GitHub](#)