

ARTEM MARTIUKHIN

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Skills

- TypeScript | JavaScript | Go | C++ | R | Solidity | FunC | NestJS | Node.js | MongoDB | Postgres | Redis | SQL | GraphQL
- Backend | Smart Contracts | Subgraphs | Security Audit | Unit Testing | Docker | CMake | OOP | Cryptography | Statistics | CI/CD | Git
- Blockchain | Data Analysis | Computer Science | English, Ukrainian, Russian– *All professional proficiency or above*

Experience

Blockchain Developer IdeaSoft *Austin, TX, USA* **04/2023 - 07/2024**

- Led the development of 3 enterprise-level cross chain applications using the technologies of **Ethereum, TON and Bitcoin**.
- Designed and implemented scalable APIs, subgraphs and background workers for cross chain bridge application managing **Ordinals BRC-20** and **Runes** balances across multiple chains: **Ethereum, Bitcoin, Solana, Arbitrum, BNB Chain, Base, Rootstock and CoreDAO**. Integrated cross-chain solutions utilizing **Chainlink CCIP** and **LayzerZero** protocols.
- Built and maintained smart contracts and subgraph for **automated market-making protocol** on top of **Arbitrum, Optimism, Ethereum, Blast** and **zk-Sync** chains utilizing various third-party DeFi protocols such as **Balancer, Curve, Uniswap V3** and **Chainlink Oracles**.
- Integrated **FHEVM** protocol into **Arbitrum** rollup that allowed secure encryption of the on-chain data on L2..
- Performed continuous Integration, pull requests, code reviews, unit/integration testing, documentation writing.

Blockchain Developer Ambisafe *Los Angeles, CA, USA* **05/2022 - 02/2023**

- Led the development of smart contracts and off-chain services for a **lending protocol** based on **Aave** on top of the **Celo** and **Ethereum** chains.
- Developed a decentralized **KYC** (Know Your Customer) service for decentralized protocol, integrating advanced 3-step verification technology to ensure compliance with global regulatory standards.
- Executed 2 detailed **security audits** for DeFi protocols, efficiently identifying and rectifying vulnerabilities, thereby strengthening the security framework of clients' contracts.
- Integrated on-chain stock **price oracles**, leveraging blockchain technology to enhance financial data accuracy and reliability, opening new avenues for revenue generation.

Blockchain Developer Blaize *Dnipro, Ukraine* **03/2021 -05/2022**

- Designed and implemented enterprise smart contracts for protocol **IDO**.
- Engineered and maintained the core logic of three **automated market-making protocols** with integrations of such protocols as **Uniswap V2, PancakeSwap, Aave, Balancer, Curve** on top of **Ethereum, Binance Smart Chain, and Polygon**.
- Performed 8 **security audits**, successfully safeguarding against errors and vulnerabilities in smart contracts to ensure robust client operations.

Education

Bachelor of Science Ukrainian State University of Chemical Technology *Dnipro, Ukraine* **09/2019 -05/2023**

- Major in Informational Technology

Certificates

- Specialization IBM Data Analytics with Excel and R **10/2023**