

Nikita Fedorov

Built and scaled a B2B SaaS product from zero to monopoly

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Summary

Product-focused CTO with 10+ years of experience leading infrastructure for hyper-growth startups and a builder myself. To the left of the heart is [DDD](#), and to the right is [IDesign](#).

Education

Saint Petersburg State Electrotechnical University "LETI"

Saint Petersburg, Russia

MSc in Computer and Information Systems Security

08/2015 - 08/2021

Experience

CTO

Funtico

02/2024 - Present

Built the entire technical foundation for a gaming platform with real-money tournament infrastructure and crypto-native payments.

- **TICO token** on [CoinMarketCap](#), [CoinGecko](#), [MEXC](#), [Gate.io](#), [BitMart](#) and [Uniswap](#)
- **Ory Hydra & Kratos** (IDP), [Verisoul](#) (KYC), [Hubspot](#) (CRM) to support **90k shareholders**
- **Bitgo** (Custody), [Sumsu](#) (KYC), [Scorechain](#) (KYT) to secure **\$160M in assets**
- **Simplex**, [NowPayments](#), [Wert](#) and [Avalanche](#) partnership for **fiat & crypto payments**
- [Porter](#), [Vercel](#) and [Cloudflare](#) for **7 websites, 48 AWS services and 144 code repositories**
- [Amazon GameLift](#) and [EdgeGap](#) for **multiplayer**
- [Mirror](#) and [Fish Networking](#) for **tournaments without gambling licence**
- personal contribution **1M LOC in 6K commits**

Founding Engineer

Zeta Labs

11/2023 - 02/2024

Early-stage execution at speed in a top-tier AI-native startup.

- First **hires**; First **MVP**; First **Product-Market Fit**
- *Startup backed by [Nat Friedman](#) and [Daniel Gross](#)*

L5 Blockchain Senior SWE

Visa

07/2023 - 11/2023

Contributed to Visa's crypto and stablecoin initiatives.

L6 Blockchain Senior SWE

[Capital.com](#) / [Currency.com](#)

06/2022 - 06/2023

Architected multi-chain security infrastructure for the exchange with the **fastest growth in 2023**.

- [XEC](#), [Fantom](#), [VeChain](#) and [Ethereum 2.0](#) integrations for **multi-chain support**
- **Microservice domain-oriented fault-tolerant** architecture for **5 blockchain networks** ([VeChain](#), [Cosmos](#), [Polkadot](#), [Tron](#), and [Zilliqa](#)).
- [Chainalysis](#), [Crystal](#), and [Coinfirm](#) for **KYC AML/CFT compliance at lowest cost**
- 150+ smart contract security audits for **CEX compliance audit**
- Crafted and deployed Solidity smart contracts across **multiple EVM networks**

CTO

Targeting Platform

02/2019 - 06/2022

Started and scaled a B2B SaaS product from zero to monopoly.

- First **hires**; First **MVP**; First **Product-Market Fit**
- Product had **25k DAU** on **free tier** and **3k DAU** on **\$5 subscription** with **\$1k expenses**
- Product that everyone wants with **85% DAU/MAU rate**
- At scale of **1M writes per second**

Senior Software Engineer

BaltInfoCom

09/2018 - 04/2019

Implemented [Palantir](#)-style OSINT tooling for **government-scale graph intelligence**

- Transformed **21-person team into 4 Scrum teams**, doubling delivery frequency
- [Facebook crawler](#) for **large-scale social graph extraction**
- [Ogma](#)-style [Graph Visualization Library](#) with [Three.js](#) and [WebGL](#) for **million-node interactive graph visualization**
- [D3](#) for **graph search, collapsing nodes, smart layouts**
- [SharedArrayBuffer](#) optimizations for **>3GB graph exports**
- [Linkurious](#)-style [Octopus/Universal Data Analysis Platform](#) for **Open Source Intelligence**

Middle Software Engineer

Homework

08/2017 - 09/2018

Where I learned what good looks like — mature Scrum, DDD, user interviews and real cross-team collaboration.

- [Homework](#), [Yougrade](#), [HW](#), [Sciterm](#), [Myknow](#) and **20+ landing pages** for EdTech portfolio
- Custom CRM/BPMS/CMS with **DDD**
- Automated A/B testing for sales funnels — **+14% sales in first month**
- Automated **payroll, PDF reports, receipts and email workflows**
- [SEO](#), [IE6](#), and SQL optimization **for conversion and performance**

Intern [Emergn](#) 07/2015 - 09/2016

- Scrum training under mentorship at a **global Software consultancy**.
- Shipped bus schedule management tool — **used daily for 1+ year in production**

Freelance Developer [Upwork](#) 09/2015 - 08/2017

- Wrote custom software solutions, including bachelor's dissertations in programming
- Created **10-15 websites**

Physics Tutor self-employed 09/2013 - 01/2017

- Prepared students for exams in physics, mechanics, and electrical engineering

Community

Content Creator 2019 - Present

- [Translated WebGL lessons](#) with [Greggman](#) - **most popular learning resource for graphics devs**
- Started [Youtube channel](#) with **1M views**

Microsoft Student Partner Microsoft 2016

- Organized Microsoft Student Day and [Microsoft Imagine Cup](#) events

Volunteer Developer [JUG.RU Group](#) 2016

Developed an application for cross-publishing for conferences:

- [HolyJS](#), [JPoint](#), [Heisenbug](#), [.NEXT](#), [Joker](#), [C++ Conf](#)

Code Mentoring

Senior Frontend Developer Mentorship [Pinkman Design Studio](#) 2021

- Helped a senior developer secure a leading position through pair programming
- Technologies: Vue, Nuxt, TypeScript

Backend Consulting 2020

- Provided consulting for the mobile document management application backend
- Technologies: NestJS, MongoDB, TypeScript

Certifications

Professional Scrum Master (PSM 1), [Scrum.org](#) 2023

Web Security Professional, [Hacktory](#) 2021 - 2022

Secure Software Design: Software Design as an Element of the Software Development Lifecycle, 2022

[University of Colorado](#)

Microcontroller Programming STM32, [STC Metrotek](#) 2017

ASP.NET Web Development, [Microsoft Student Partners](#) 2016

Neural Networks and Computer Vision, [Samsung Research Russia](#) 2016

Neural Networks, Python Programming, Analyzing data in R, Introduction to databases, [R2016](#)

Programming, Basics of statistics, [Bioinformatics Institute](#)

Theory of argumentation, Philosophy, Rhetoric, [IKBFU I. Kant](#) 2017

Scientific thinking, [SKB Kontur](#) 2017 - 2018

Java, [Computer Science Center](#) 2016

Advanced C/C++ Programming, [Mail.Ru Group](#) 2016

Java Internship, [Emergn](#) 2016

Projects

100+ web services & libraries, 20+ websites, 30+ landing pages, 5+ installable web apps, 4 games, 3 mobile apps, 1 desktop app.

[Funtico](#) Funtico 02/2024 - 01/2026

<ul style="list-style-type: none"> ◦ PHP, Laravel, NodeJS, Fastify ◦ React, TypeScript 		
Golazo League (Game)	Funtico	10/2024 - 01/2026
Solitaire Slam (Game)	Funtico	10/2024 - 01/2026
Formula Funtico (Game)	Funtico	10/2024 - 01/2026
Bingo Rampage (Game)	Funtico	10/2024 - 01/2026
Godot SDK demo (Game)	Funtico	08/2025 - 08/2025
Unity SDK demo (Game)	Funtico	08/2025 - 08/2025
HTML5 SDK demo (Game)	Funtico	08/2025 - 08/2025
<ul style="list-style-type: none"> ◦ C#, .NET Core, Unity ◦ Mirror and Fish Networking ◦ Fastify, NodeJS 		
Funtico GameDev platform	Funtico	10/2025 - 01/2026
<ul style="list-style-type: none"> ◦ Golang, PostgreSQL ◦ NodeJS, React, TypeScript, Tailwind 		
Funtico Gameloop	Avalanche	09/2025 - 10/2025
<ul style="list-style-type: none"> ◦ Golang ◦ React, TypeScript, Tailwind 		
Funtico Auth (SSO)	Funtico	09/2025 - 10/2025
<ul style="list-style-type: none"> ◦ Golang ◦ NextJS, React, TypeScript, Tailwind 		
Funtico Sports	FIFA	08/2025 - 09/2025
<ul style="list-style-type: none"> ◦ PHP, Laravel ◦ React, TypeScript 		
Funtico OnRamp	Funtico	07/2025 - 07/2025
<ul style="list-style-type: none"> ◦ Golang, PostgreSQL ◦ NextJS, React 		
Funtico Events	Funtico	04/2025 - 06/2025
<ul style="list-style-type: none"> ◦ NodeJS, Fastify, TypeScript, MySQL 		
Payment Service Provider	Funtico	03/2024 - 04/2024
<ul style="list-style-type: none"> ◦ Golang, PostgreSQL 		
\$TICO	Funtico	01/2025 - 02/2025
<ul style="list-style-type: none"> ◦ ERC20 token on CoinMarketCap, CoinGecko, MEXC, Gate.io, BitMart and Uniswap ◦ PHP, Laravel ◦ React, TypeScript 		
Funtico Multiplayer	Funtico	10/2024 - 12/2024
<ul style="list-style-type: none"> ◦ Amazon GameLift and EdgeGap ◦ NodeJS, Fastify, TypeScript, MySQL 		
Joker NFT	KGeN	09/2024 - 09/2024
<ul style="list-style-type: none"> ◦ ERC-721 token ◦ Solidity, NodeJS 		
Lucky Fanatic	Funtico	06/2024 - 06/2024
<ul style="list-style-type: none"> ◦ React 		
Funtico Payments	Funtico	05/2024 - 06/2024
<ul style="list-style-type: none"> ◦ Simplex, NowPayments, Wert and Avalanche ◦ NodeJS, Fastify, TypeScript, PostgreSQL 		
Funtico Summoners (Pre-sale page)	Funtico	05/2024 - 05/2024
<ul style="list-style-type: none"> ◦ PHP, Laravel ◦ NextJS, React, TypeScript, Tailwind 		
Summoners NFT	Funtico	05/2024 - 05/2024
<ul style="list-style-type: none"> ◦ ERC-721 token ◦ Solidity, NodeJS 		

Funtico Accounting	Funtico	03/2024 - 09/2024
<ul style="list-style-type: none"> ◦ Bitgo (Custody), Sumsb (KYC), Scorechain (KYT) ◦ NodeJS, Fastify, TypeScript, PostgreSQL 		
The Next Frontier of Web3 Gaming	Funtico	02/2024 - 03/2024
<ul style="list-style-type: none"> ◦ NextJS, React, TypeScript, Tailwind 		
jace.ai (Email drafts)	Zeta Labs	11/2023 - 02/2024
<ul style="list-style-type: none"> ◦ Python, FastAPI ◦ React, NextJS, TypeScript, Node.js 		
Stablecoins	Visa	07/2023 - 11/2023
Accounting	capital.com	10/2022 - 06/2023
<ul style="list-style-type: none"> ◦ PostgreSQL, AWS, Jenkins, Grafana, Kibana, Java, Spring Framework 		
Exchange/Trading platform	currency.com	06/2022 - 06/2023
<ul style="list-style-type: none"> ◦ Chainalysis, Crystal, and Coinfirm ◦ Apache Kafka, Web3, Cryptography, Digital Signatures, PostgreSQL, Grafana, Kubernetes, Microservices, DDD, Hexagon, Blockchain, Kibana, AWS, Jenkins ◦ Java, Spring Framework, TypeScript, Node.js 		
Fantom	currency.com	10/2022 - 11/2022
<ul style="list-style-type: none"> ◦ Java, Spring Framework, Cryptography 		
Ethereum 2.0	currency.com	09/2022 - 09/2022
<ul style="list-style-type: none"> ◦ Solidity migration, chain split 		
Cosmos, Polkadot, Tron, and Zilliqa	currency.com	07/2022 - 09/2022
<ul style="list-style-type: none"> ◦ Apache Kafka, Cryptography, TypeScript, Node.js 		
XEC and VeChain	currency.com	06/2022 - 07/2022
<ul style="list-style-type: none"> ◦ Apache Kafka, Cryptography, TypeScript, Node.js 		
Targeting platform	vTargete.ru	02/2019 - 06/2022
<p>Ads management data grid with time travel features like in Figma, batch updates, task scheduler with drag and drop predicate builder and selectable timetable, excel-like cell computing with ProseMirror and MathJS formula editor, CRDT, differential synchronization and shared worker sync. Closest analogue is Airtable.</p> <ul style="list-style-type: none"> ◦ TypeScript, Vue 1-2, AgGrid, Lerna, Storybook, WebSockets, Workers ◦ PHP, Laravel, Equivalent, ClickHouse, MySQL 		
Service Desk (admin panel)	freelance	02/2020 - 02/2020
<ul style="list-style-type: none"> ◦ TypeScript, Vue 3, Tailwind CSS, i18n, Design 		
Rule Engine (lib, docs)	vTargete	02/2019 - 06/2022
<ul style="list-style-type: none"> ◦ TypeScript, Docusaurus, Gulp 		
Reverse engineering VK	vTargete	02/2019 - 06/2022
<ul style="list-style-type: none"> ◦ JavaScript, React, Playwright, Chrome DevTools, CSS 		
Graph Visualization Library	BaltInfoCom	09/2018 - 04/2019
<p>TypeScript library for large-scale interactive graph visualizations. Graphical engine built for Three.js first, some hard parts with WebGL. Uses SVG for labels with CSS formatting, HTML for controls like context menu. Features: graph search, collapsing nodes, smart layouts with D3, export graphs as pictures >3GB, optimizations with SharedArrayBuffer. Closest analogue: Ogma.</p> <ul style="list-style-type: none"> ◦ TypeScript, Rollup, Three.js, D3, WebGL, d3-quad-tree 		
Data Gateway	BaltInfoCom	09/2018 - 04/2019
<ul style="list-style-type: none"> ◦ NodeJS, Express, JavaScript 		
Universal Data Analysis Platform	BaltInfoCom	09/2018 - 04/2019
<p>Open Source Intelligence. Closest analogue: Palantir or Linkurious.</p> <ul style="list-style-type: none"> ◦ Web app on-prem ◦ Java, Spring, Neo4j/Cypher, Elastic, Scala, MapReduce, Hive, Spark, Hadoop, HBase ◦ TypeScript, Vue, Knockout, Bower, RequireJS 		
Facebook crawler	BaltInfoCom	08/2018 - 08/2018
<ul style="list-style-type: none"> ◦ React, CSS, TypeScript, Nightmare.js, Puppeteer 		

Partner Cabinet (admin panel)	Homework	08/2017 - 09/2018
<ul style="list-style-type: none"> ◦ C#, MSSQL, NHibernate ◦ TypeScript, Angular 4+, HTML, SCSS 		
Custom CRM/BPMS/CMS (back-office)	Homework	08/2017 - 09/2018
Domain-driven design, LEARN(Agile). Interacted with all employees of the company, different departments.		
<ul style="list-style-type: none"> ◦ DDD, C#, MSSQL, NHibernate ◦ ECMAScript 5, jQuery, HTML, SCSS 		
Homework, Yougrade, Sciterm, Myknow, Homework		08/2017 - 09/2018
20+ landing pages (SEO-optimized websites)		
<ul style="list-style-type: none"> ◦ C#, MSSQL, NHibernate, Memcached ◦ ECMAScript 3, jQuery, HTML, SCSS ◦ Photoshop, Illustrator 		
Technobus (web/mobile app)		
<ul style="list-style-type: none"> ◦ Java, Android ◦ JavaScript, jQuery, Gulp, HTML, SCSS 		
MyEco.city (website)	HackSpb	2016
<ul style="list-style-type: none"> ◦ PHP, MySQL, Symfony, Twig ◦ JavaScript, jQuery, HTML, CSS 		
Artist's promo	xdontstopmenow	2016
<ul style="list-style-type: none"> ◦ JavaScript, jQuery, HTML, SCSS 		
Kompas Plugins (desktop)		
<ul style="list-style-type: none"> ◦ C#, Windows Forms 		
MuseumGate. Bluetooth navigation with beacons	EPAM	2016
Java Android and C# WinPhone. More about beacon BLE technology .		
<ul style="list-style-type: none"> ◦ Project presentation. 		

Responsibilities

API & Integration Architecture

- Generation and analysis of [OpenAPI](#) REST interfaces and MQ for service communication transparency
- Idempotency of all requests with request inbox pattern: POST always 200 and edit lock if 500, like in [AWS client token](#) and [Stripe Idempotency-Key](#). Versioned or fingerprinted GET like in [Google Cloud](#). [Soft DELETE](#) with 200 in short time window
- Integration events idempotency from "at least once delivery" to "at most once delivery" with transaction outbox pattern

Security

- Prevent forgery of entries in the database with [nonce](#)
- Prevent forgery of entries from external services with [digital signatures](#) using [AWS KMS](#) and [Vault](#)
- Hiding sensitive data with [hash-based](#) exchange

System Design

- Making architectural decisions at project initiation (domain splitting, strict borders)
- Providing [PlantUML](#) architecture diagrams
- Using [Event Storming](#) for [incremental architecture](#)

Front-end Architecture




- Compliance with the boundaries of reuse of packages between domains
- Reducing the number of open connections to the backend
- First page load time optimization
- Offline support
- Accessibility and semantic core
- Legacy browsers support
- CSS methodology and its performance characteristics



Scrum

- Stand-ups always plan tasks for the day
- Retrospectives always end with the creation of tasks in the backlog
- Planning always ends with evaluations, where 1 task = 1 story point = 1 acceptance test
- Demo is always prepared between code review and task completion

Skills
















Programming Languages:  TypeScript,  Java,  C#,  JavaScript,  Python,  PHP,  Golang,  HTML,  CSS,  SCSS,  LESS,  PostCSS,  GLSL,  C,  Verilog,  VHDL

Rest:  Vue 1-3,  React,  Angular, Three.js, D3, WebGL, Tailwind CSS, Bootstrap, SemanticUI, ElementUI, AntUI, styled-components, Redux, MobX, Vuex, Rx, BEM, d3-quad-tree, Knockout, Bower, RequireJS, NHibernate, jQuery, Photoshop, Illustrator, Node.js, Spring Framework, Laravel, NestJS, Express, TypeORM, Digital Signatures, AgGrid, WebSockets, Workers

Databases: PostgreSQL,  MySQL,  Neo4j/Cypher,  MongoDB, ClickHouse,  Elastic, Memcached, Redis, Scylla (Cassandra), Amazon QLDB, Amazon DynamoDB, HBase

Infrastructure: AWS, Kubernetes, Docker, Kafka, Grafana, Kibana, Jenkins, Git, SVN

Blockchain: Cryptography, Web3, Ethereum, VeChain, Cosmos, Polkadot, Tron, Zilliqa

Dev tools:  Storybook,  Lerna,  Turbopack,  Nx,  Webpack,  Babel,  Rollup,  Gulp,  ESLint,  TSLint,  Prettier,  Mocha,  Jest,  Vite,  Vitest

Tools: Jira, YouTrack, Trello, GitLab, Confluence, Maven

Methodologies: DDD, Microservices, Scrum, Event Storming

Languages: Russian (native), English (proficient)

Data Processing Agreement: I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)